For Service Manuals Contact
MAURITRON TECHNICAL SERVICES
8 Cherry Tree Rd, Chinnor
Oxon OX9 4QY
Tel:- 01844-351694 Fax:- 01844-352554
Email:- enquiries@mauritron.co.uk

BEOMASTER 1000, TYPES 2316 AND 2317.

1200

TECHNICAL DATA

Meets minimum specifications for DIN 45500.

DIMENSIONS AND WEIGHT

Dimensions:	505 mm wide, 87 mm high, 254 mm deep (19 7/8 × 3 7/16 × 10 in.)
Weight:	5.5 kg (12.1 lbs).

SUPPLY VOLTAGE

Voltage:	110-130-220-240 volts AC
Frequency:	50-60 Hz.
Power consumption:	20-120 watts.

EXTERNAL CONNECTIONS

Inputs:	
Gramophone I:	500 kΩ - 200 mV/1000 Hz
Gramophone II:	40 kΩ - 4 mV/1000 Hz
Gramophone II:	Modified for microphone input, 200 Ω - 100 μV/1000 Hz
Tape recorder:	500 kΩ - 200 mV/1000 Hz
Aerial:	75 - 240 Ω.
Outputs:	Two pairs of speaker outputs, 2 × 4 Ω.
Tape recorder:	82 kΩ - 100 mV/1000 Hz

TUNING

Wave band:	FM 88 - 108 MHz
Sensitivity:	FM 2 μV at 26 dB signal-to-noise ratio.
Intermediate frequency:	FM 10.7 MHz - 10 circuits.
Radio frequency:	FM 3 tuned circuits plus oscillator.
Tuning meter:	Large radicator.

AMPLIFIER

Power output:	2 × 15 watts continuous load.
Frequency response:	30-25,000 Hz ± 2 dB.
Distortion:	Less than 1% at 40 Hz - 1000 Hz - 12,500 Hz/15 watts.
Signal-to-noise ratio:	60 dB at full drive 50 dB at 50 mW.
Tone controls:	
Bass control range:	+10 dB - 17 dB at 60 Hz
Treble control range:	+12 dB - 16 dB at 12,500 Hz.
Channel separation:	
Gramophone I:	40 dB at 1,000 Hz; 30 dB at 12,500 Hz.

SEMICONDUCTORS

Transistors:	30
Diodes:	7

ACCESSORIES

Aerial:	Type 2010.
Multiplex adaptor:	Type 0001.

Above specifications subject to change without notice.

BEOMASTER 1000, TYP 2316 UND 2317.

1200.

TECHNISCHE DATEN

Erfüllt die Mindestanforderungen nach DIN 45500.

GRÖSSE UND GEWICHT

Abmessungen:	505 mm breit, 87 mm hoch, 254 mm tief.
Gewicht:	5,5 kg.

NETZANSCHLUSS

Spannung:	110-130-220-240 Volt Wechselspannung.
Frequenz:	50 - 60 Hz.
Verbrauch:	20 - 120 Watt.

ANSCHLÜSSE

Eingänge:	
Plattenspieler I:	Empfindlichkeit: 200 mV - 1000 Hz/500 k Ω.
Plattenspieler II:	Empfindlichkeit: 4 mV - 1000 Hz/40 k Ω.
Plattenspieler II:	geändert in Mikrofoneingang; Empfindlichkeit: 100 μV - 1000 Hz/200 Ω.
Tonbandgerät:	Empfindlichkeit: 200 mV - 1000 Hz/500 kΩ.
Antenne:	75 bzw. 240 Ω.
Ausgänge:	2 Lautsprechergruppen, 2 × 4 Ω.
Tonbandgerät:	Spannungspegel: 100 mV - 1000 Hz/82 kΩ.

ABSTIMMUNG

Wellenbereich:	UKW 88 - 108 MHz.
Empfindlichkeit:	2 μV für 26 dB Signal/Störabstand.
Zwischenfrequenz:	10,7 MHz - 10 Kreise.
Hochfrequenz:	3 abgestimmte Kreise + Oszillator.
Abstimmungsanzeige:	Grosser Radicator.

VERSTÄRKER

Ausgangsleistung:	2 × 15 Watt, Sinusdauertonbelastung.
Frequenzumfang:	30 - 25000 Hz ± 2 dB.
Verzerrung:	<1% bei 40 Hz - 1 kHz - 12,5 kHz/15 Watt.
Signal/Störabstand:	60 dB bei voller Aussteuerung 50 dB bei 50 mW.
Klangregler:	
Tiefen:	+10 dB - 17 dB bei 60 Hz.
Höhen:	+12 dB -16 dB bei 12,5 kHz.
Kanaltrennung:	
Plattenspieler I:	40 dB bei 1 kHz, 30 dB bei 12,5 kHz.

BESTÜCKUNG

Transistoren:	30 Stck.
Dioden:	7 Stck.

ZUBEHÖR

Antenne:	Typ 2010.
Stereo-Decoder:	Typ 0001.

Änderungen vorbehalten.

THE QUALITY OF THIS MANUAL IS THE BEST THAT IS AVAILABLE

PC PARTS LIST,

BEOMASTER 1000, TYPE 2316.

79	Diode, AA 119	
101	Potentiometer, 2 k Ω, detector	
112	Potentiometer, 5 k Ω, radicator	
601	Resistor, 82 Ω, 3 W 04032	
670	NTC resistor, 500 Ω	
671	Potentiometer, 5 k Ω, no-signal L	
679	Electrolytic capacitor, 3000 µF/25 V	
746	NTC resistor, 500 Ω	
747	Potentiometer, 5 k Ω, no-signal R	
755	Electrolytic capacitor, 3000 µF/25 V	
901	Electrolytic capacitor, 400 µF/40 V	
904	Zener diode, ZF 9.1	
906	Potentiometer, 1 kΩ, power supply section	
908	Zener diode, ZF 9.1	
	Transistor, AF 121	
	Transistor, AF 126	
	Transistor, BC 114	
	Transistor, BC 140	
	Transistor, BC 154	
	Transistor, BF 115	
	Transistors, U 2734/U 2735	
	Heat sink for U 2734	
	Heat sink for U 2735	
	Transistor, 2N 2712	
	Transistor, 2N 5034	
	Diode, 2 X AA 119	
	Diode, BA 101	
	Diode, OA 90	
	Rectifier, B 40 C 2200	
	10.7 MHz IF circuit	
	1st 10.7 MHz transformer	
	2nd 10.7 MHz transformer	
	3rd 10.7 MHz IF transformer	
	Detector	
	Resistor, 0.39 Ω, 1 W	
	Electrolytic capacitor, 0.5 µF/35 V	
	Electrolytic capacitor, 2 µF/25 V	
	Electrolytic capacitor, 5 µF/25 V	
	Electrolytic capacitor, 10 µF/10 V	
	Electrolytic capacitor, 10 µF/15 V	
	Electrolytic capacitor, 10 µF/64 V	
	Electrolytic capacitor, 25 µF/35 V	
	Electrolytic capacitor, 100 µF/ 6 V	
	Electrolytic capacitor, 100 µF/15 V	
	Electrolytic capacitor, 100 µF/35 V	
	De-emphasis plug	

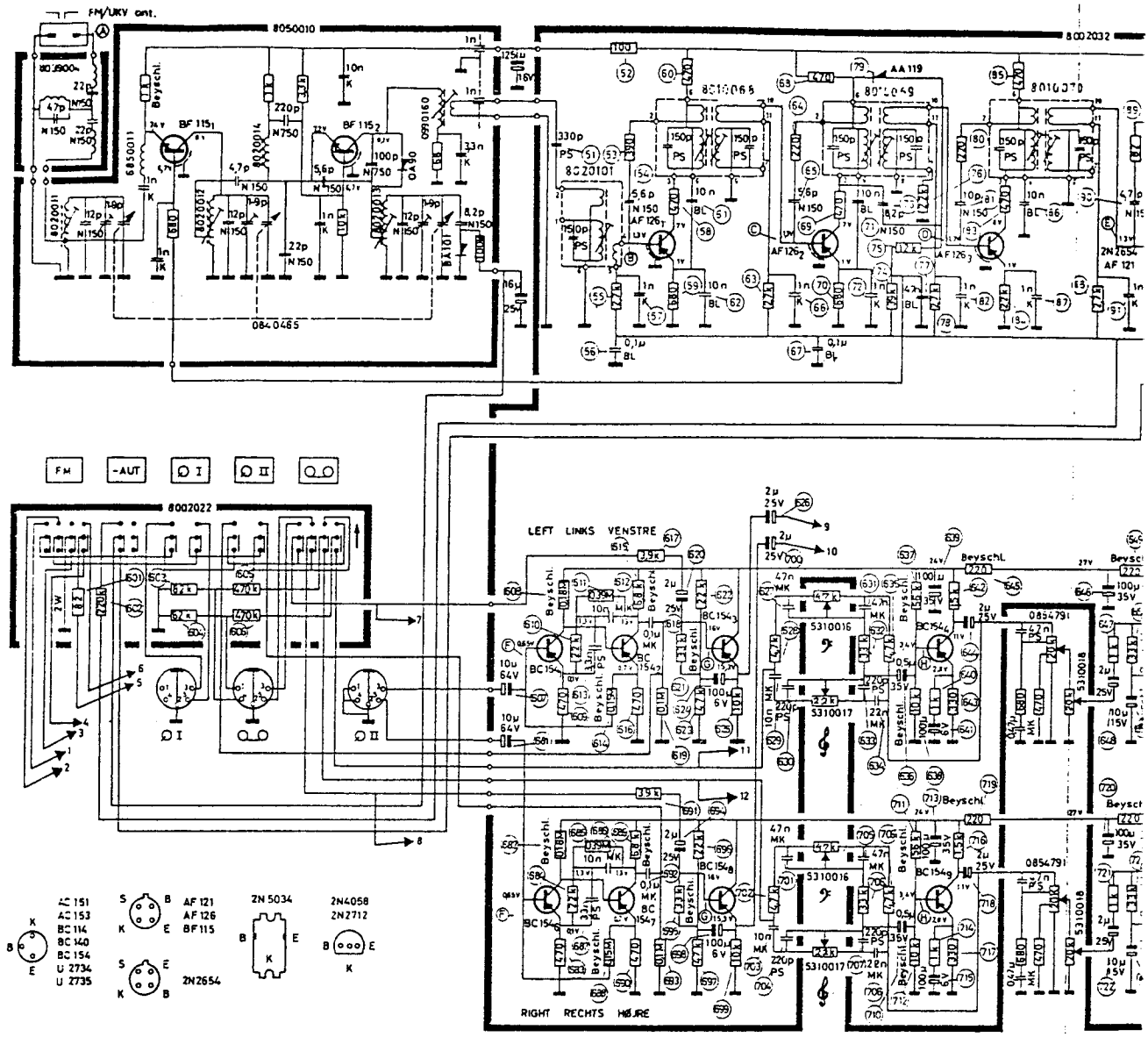
SCHALTPLATTEN-STÜCKLISTE,

BEOMASTER 1000, TYP 2316.

Diode, AA 119	8300024
Potentiometer, 2 k Ω, Detektor	5370006
Potentiometer, 5 k Ω, Radicator	5370015
Widerstand, 82 Ω 3 W 04032	5104001
NTC-Widerstand, 500 Ω	5220011
Potentiometer, 5 k Ω, Leerlauf L	5370015
Elko, 3000 µF/25 V	4200103
NTC-Widerstand, 500 Ω	5220011
Potentiometer, 5 k Ω, Leerlauf R	5370015
Elko, 3000 µF/25 V	4200103
Elko, 400 µF/40 V	4201029
Zenerdiode, ZF 9,1	8300019
Potentiometer, 1 k Ω, Netzteil	5370050
Zenerdiode, ZF 9,1	8300019
Transistor, AF 121	8320020
Transistor, AF 126	8320055
Transistor, BC 114	8320057
Transistor, BC 140	8320101
Transistor, BC 154	8320069
Transistor, BF 115	8320050
Transistoren, U 2734/U 2735	8320082
Kühlblech für U 2734	3358012
Kühlblech für U 2735	3358011
Transistor, 2N 2712	8320041
Transistor, 2N 5034	8320103
Diode, 2 X AA 119	8300000
Diode, BA 101	8300016
Diode, OA 90	8300009
Gleichrichterventil, B 40 C 2200	8310013
10,7 MHz ZF-Kreis	8020101
I 10,7 MHz ZF-Transformator	8010068
II 10,7 MHz ZF-Transformator	8010069
III 10,7 MHz ZF-Transformator	8010070
Detektor	8010071
Widerstand, 0,39 Ω 1 W	5102007
Elko, 0,5 µF/35 V	4201058
Elko, 2 µF/25 V	4200105
Elko, 5 µF/25 V	4200108
Elko, 10 µF/10 V	4200107
Elko, 10 µF/15 V	4200101
Elko, 10 µF/64 V	4201017
Elko, 25 µF/35 V	4201066
Elko, 100 µF/ 6 V	4200098
Elko, 100 µF/15 V	4200099
Elko, 100 µF/35 V	4201060
Nachentzerrungsprofen	0994028

For Service Manuals Contact
MAURITRON TECHNICAL SERVICES
8 Cherry Tree Rd, Chinnor
Oxon OX9 4QY
Tel:- 01844-351694 Fax:- 01844-352554
Email:- enquiries@mauritron.co.uk

DIAGRAM FOR BEOMASTER 1000 TYPE 2316 / SCHALTBILD, B



Change of gramophone preamplifier into microphone preamplifier.
Components No. 610-613-684-687 are removed.
Components No. 609-683 are changed into 180Ω.

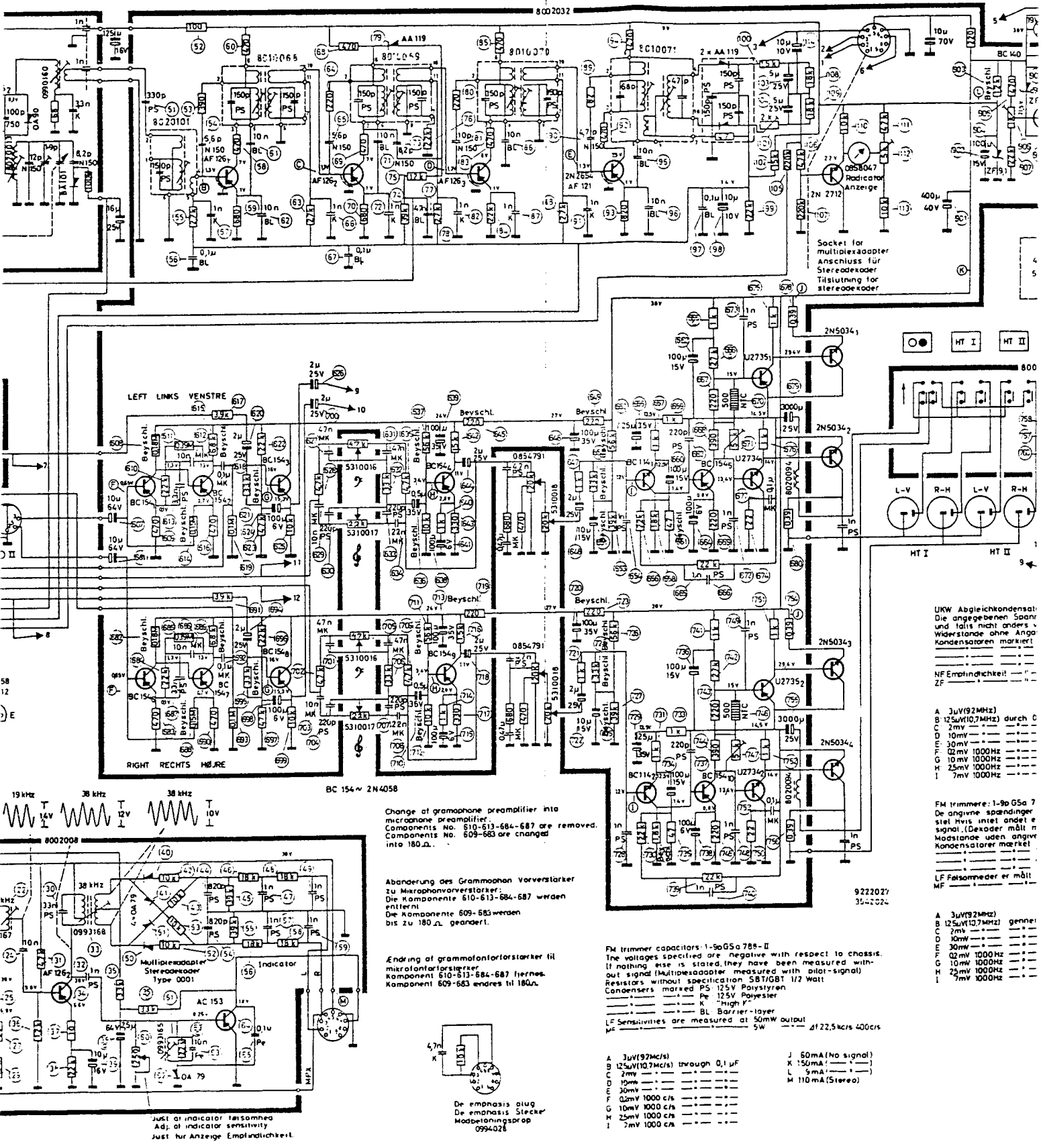
Abänderung des Grammophon Vorverstärker zu Mikrophonvorverstärker:
Die Komponente 610-613-684-687 werden entfernt
Die Komponente 609-683 werden bis zu 180Ω geändert.

Ændring af grammofonforforstærker til mikrofonforforstærker
Komponent 610-613-684-687 fjernes.
Komponent 609-683 ændres til 180Ω.

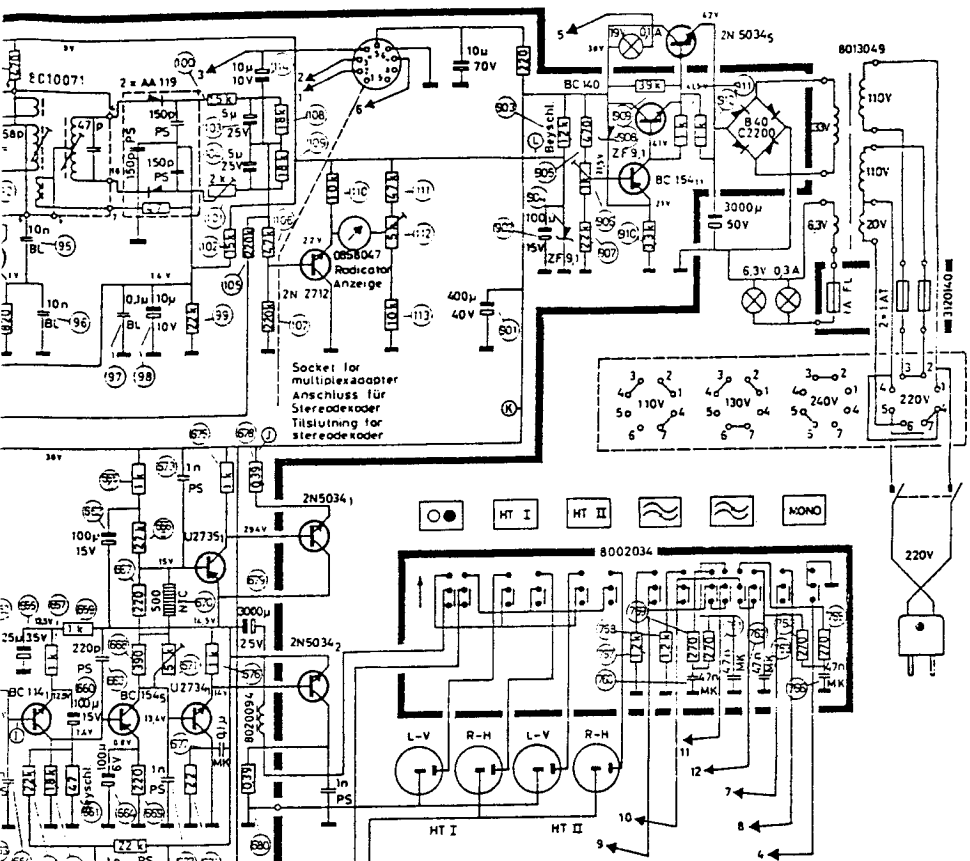
Just of indicator fakomhed
Adj. of indicator sensitivity
Just fur Anzeige Empfindlichkeit

De emphasis plug
De emphasis Stecker
Modbelatningsprop
0994028

DIAGRAM FOR BEOMASTER 1000 TYPE 2316 / SCHALTBILD, BEOMASTER 1000, TYP 2316.



MASTER 1000, TYP 2316.



trimmer capacitors: 1-9pGSa 788-II
voltages specified are negative with respect to chassis.
othing else is stated, they have been measured with-
signal (Multiplexadapter measured with pilot-signal)
stors without specification SBT/GBT 1/2 Watt
densers marked PS: 125V Polystyren
Pe: 125V Polyester
K: "High K"
BL: Barrier-layer
ensitivities are measured at 50mW output
5W ⊿f 22,5 kc/s 400 c/s

3µV(92Mc/s)
5µV(10,7Mc/s) through 0,1 µF
2mV
10mV
30mV
02mV 1000 c/s
10mV 1000 c/s
25mV 1000 c/s
7mV 1000 c/s

J 60mA (No signal)
K 150mA (——•——)
L 9mA (——•——)
M 110mA (Stereo)

UKW Abgleichkondensator: 1-9pGSa 788-II
Die angegebenen Spannungen sind negativ im Verhältnis zu Chassis, und falls nicht anders vermerkt, ohne Signal gemessen. (Stereodekoder ist mit Widerstände ohne Angabe: SBT/GBT 1/2 Watt. pilot-tone pegel gemessen).
Kondensatoren markiert PS: 125V Polystyren
Pe: 125V Polyester
K: "High K"
BL: Barrier-layer
NF Empfindlichkeit bei 50mW NF Ausgangsleistung
ZF bei 5W ⊿f 22,5 kHz 400 Hz

A 3µV(92MHz)
B 125µV(10,7MHz) durch 0,1µF
C 2mV
D 10mV
E 30mV
F 02mV 1000Hz
G 10mV 1000Hz
H 25mV 1000Hz
I 7mV 1000Hz

J 60mA (Ohne Signal)
K 150mA (——•——)
L 9mA (——•——)
M 110mA (Stereo)

FM trimmere: 1-9pGSa 788-II
De angivne spændinger er negative i forhold til stel. Hvis intet andet er angivet, er de målt uden signal. (Dekoder målt med pilotsignal).
Modstande uden angivelse SBT eller GBT 1/2 Watt.
Kondensatorer mærket PS: 125V Polystyren
Pe: 125V Polyester
K: "High K"
BL: Barrier-layer
LF Følsomheder er målt ved 50mW output
MF 5W ⊿f 22,5 kHz 400 Hz

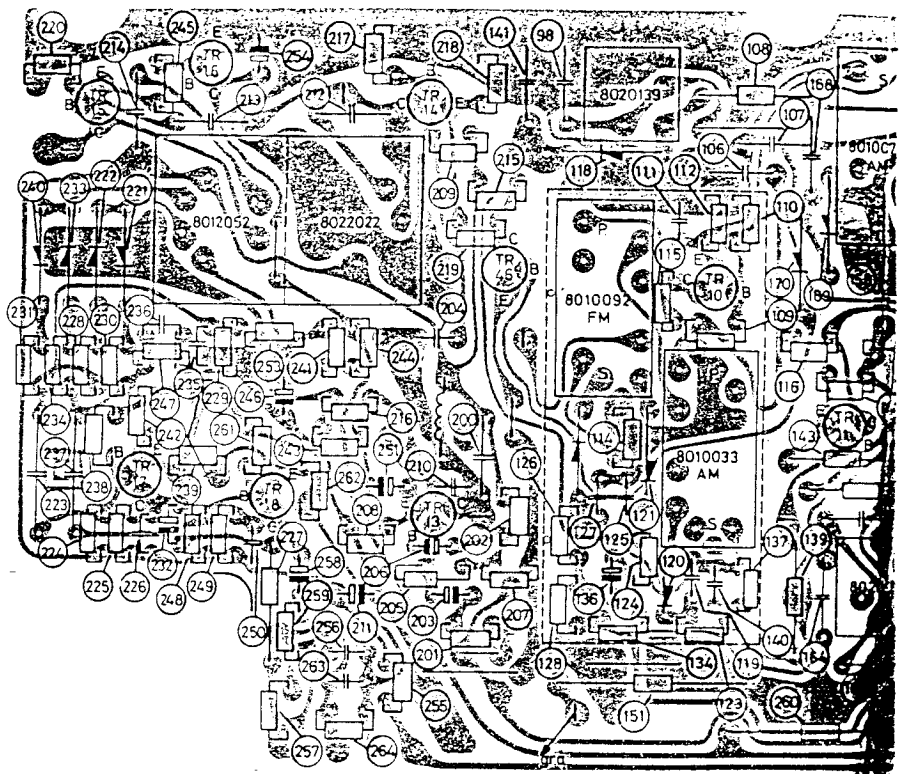
A 3µV(92MHz)
B 125µV(10,7MHz) gennem 0,1µF
C 2mV
D 10mV
E 30mV
F 02mV 1000 Hz
G 10mV 1000 Hz
H 25mV 1000 Hz
I 7mV 1000 Hz

J 60mA (tomgang)
K 150mA (——•——)
L 9mA (——•——)
M 110mA (Stereo)

The right to alteration of the contents is reserved
Technische Änderungen vorbehalten.
Ret til ændringer forbeholdes

For Service Manuals Contact
MAURITRON TECHNICAL SERVICES
8 Cherry Tree Rd, Chinnor
Oxon OX9 4QY
Tel:- 01844-351694 Fax:- 01844-352554
Email:- enquiries@mauritron.co.uk

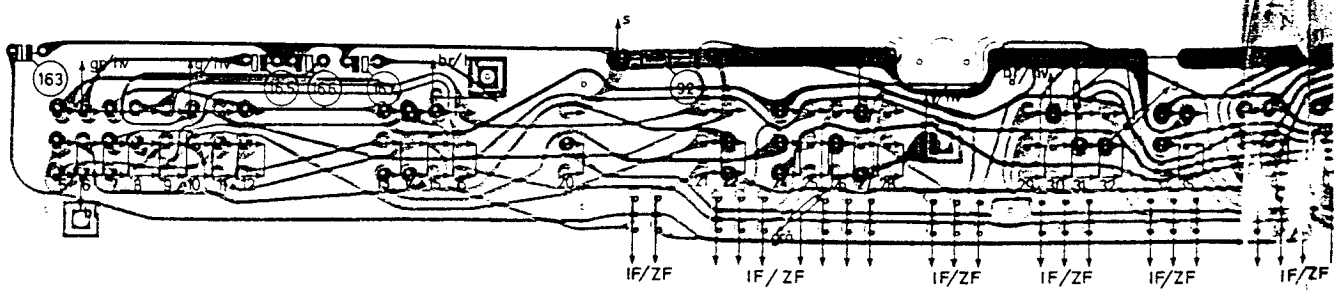
PC UNIT 8002073, IF/DECODER / PRI



Circuit board, component side

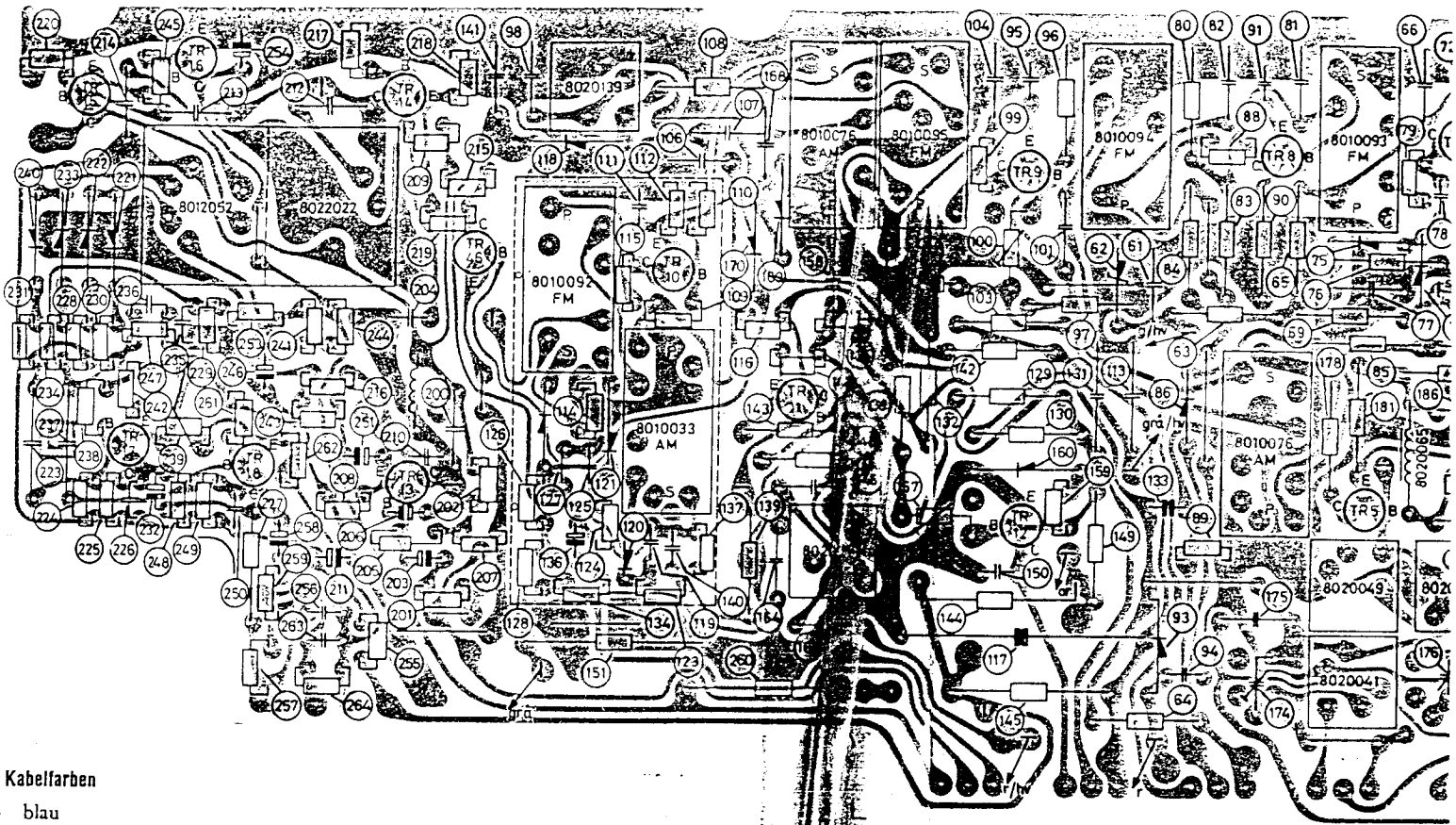
Ledningsfarver — Colour of wires — Kabelfarben				
bl: blå	—	blue	—	blau
br: brun	—	brown	—	braun
g: gul	—	yellow	—	gelb
gr: grøn	—	green	—	grün
grå: grå	—	grey	—	grau
hv: hvid	—	white	—	weiss
or: orange	—	orange	—	orange
r: rød	—	red	—	rot
s: sort	—	black	—	schwarz
v: violet	—	violet	—	violett

PC UNIT 8002069, FOR PUSHBUTTON SWITCH, WITH C



Circuit board, foi

PC UNIT 8002073, IF/DECODER / PRINTPLATTE 8002073, ZF/DECODER

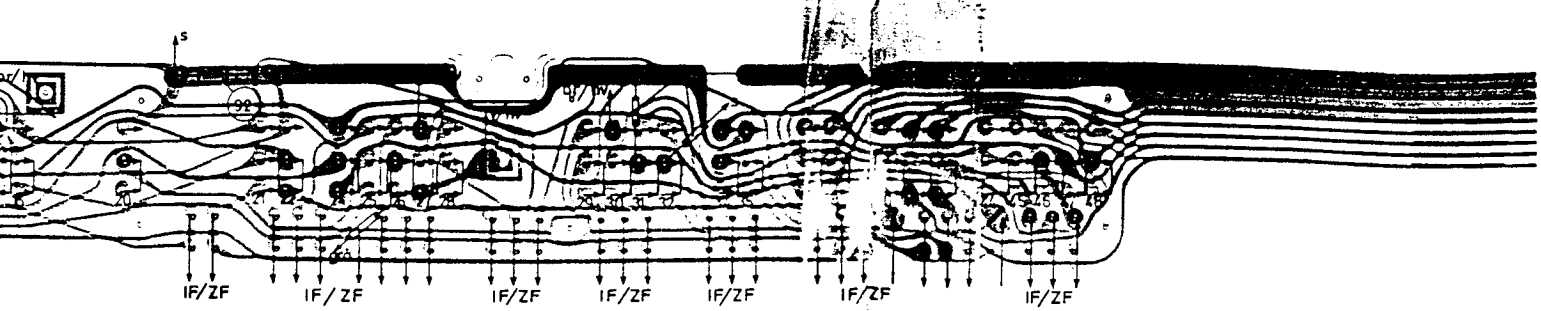


Kabelfarben

- blau
- braun
- gelb
- grün
- grau
- weiss
- orange
- rot
- schwarz
- violett

Circuit board, component side / Bestückungsseite der Printplatte

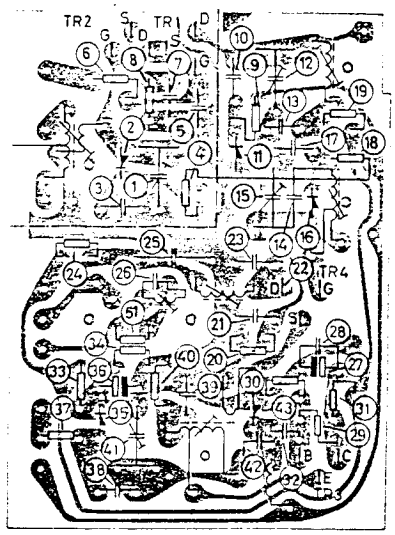
PC UNIT 8002069, FOR PUSHBUTTON SWITCH, WITH COMPONENTS / PRINTPLATTE 8002069, FÜR DRUCKKNOPFUMSCHALT



Circuit board, foil side / Leiterseite der Printplatte

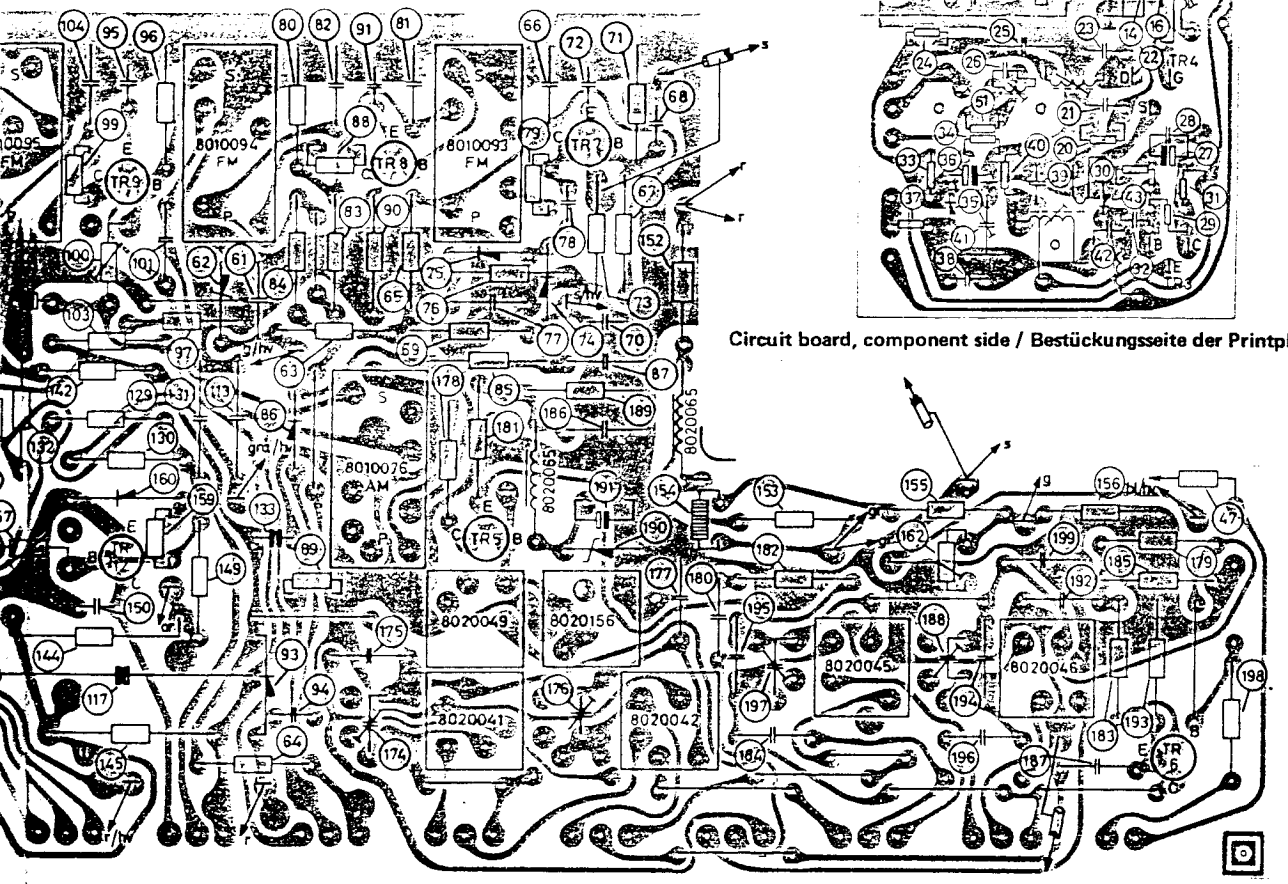
For Service Manuals Contact
MAURITRON TECHNICAL SERVICES
8 Cherry Tree Rd, Chinnor
Oxon OX9 4QY
Tel:- 01844-351694 Fax:- 01844-352554
Email:- enquiries@mauritron.co.uk

FRONT END 8050045 / TUNER 8050045



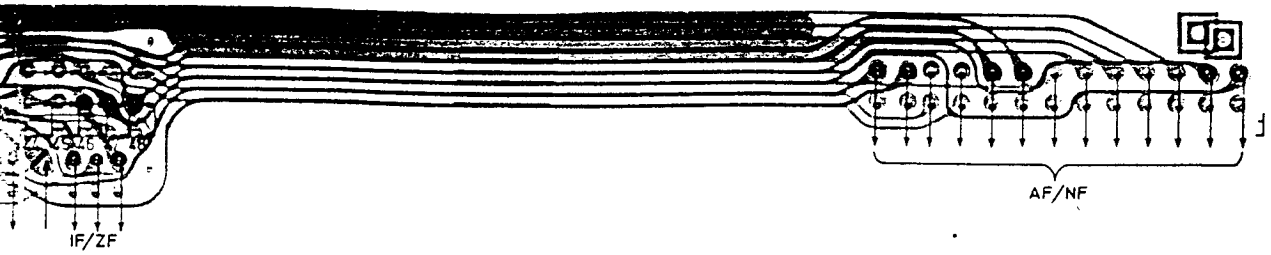
Circuit board, component side / Bestückungsseite der Printplatte

ATTE 8002073, ZF/DECODER



ngsseite der Printplatte

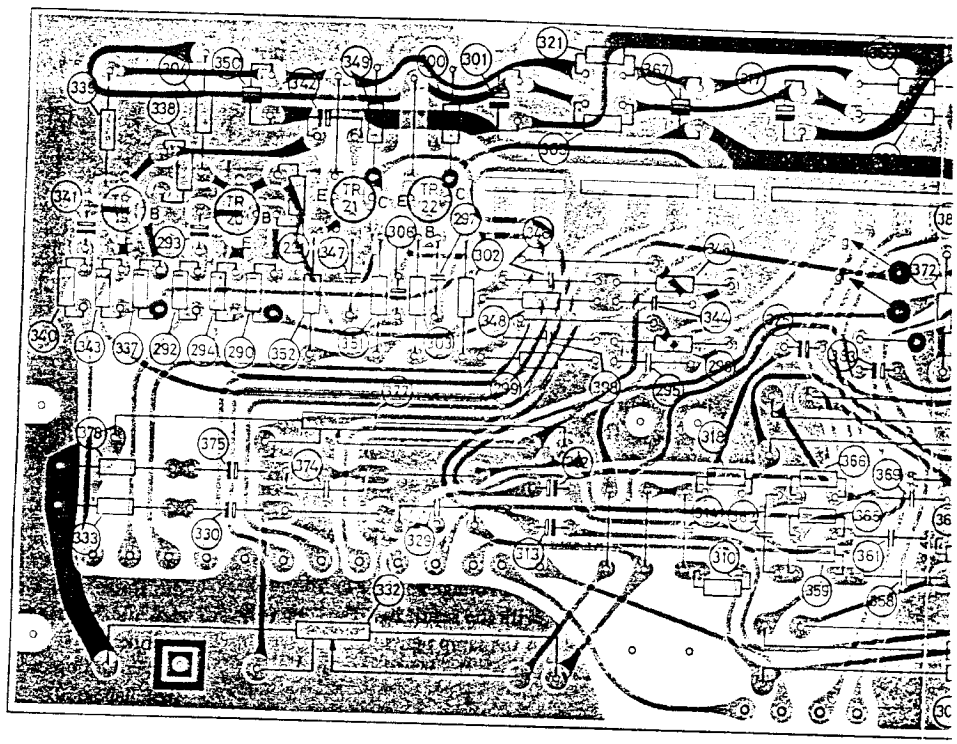
/ PRINTPLATTE 8002069, FÜR DRUCKKNOPFUMSCHALTUNG MONTIERT



Leiterseite der Printplatte

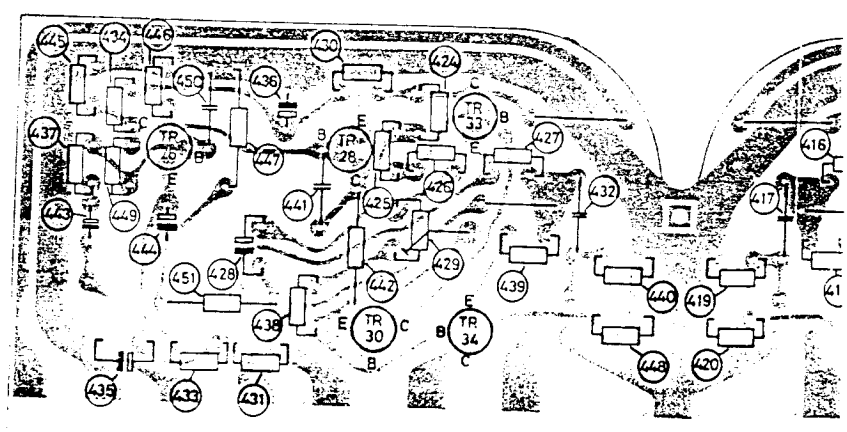
PC UNIT 8002071, PREAMPLIFIER / PRINTPLATTE 8002071, VORVE

For Service Manuals Contact
MAURITRON TECHNICAL SERVICES
8 Cherry Tree Rd, Chinnor
Oxon OX9 4QY
Tel:- 01844-351694 Fax:- 01844-352554
Email:- enquiries@mauritron.co.uk



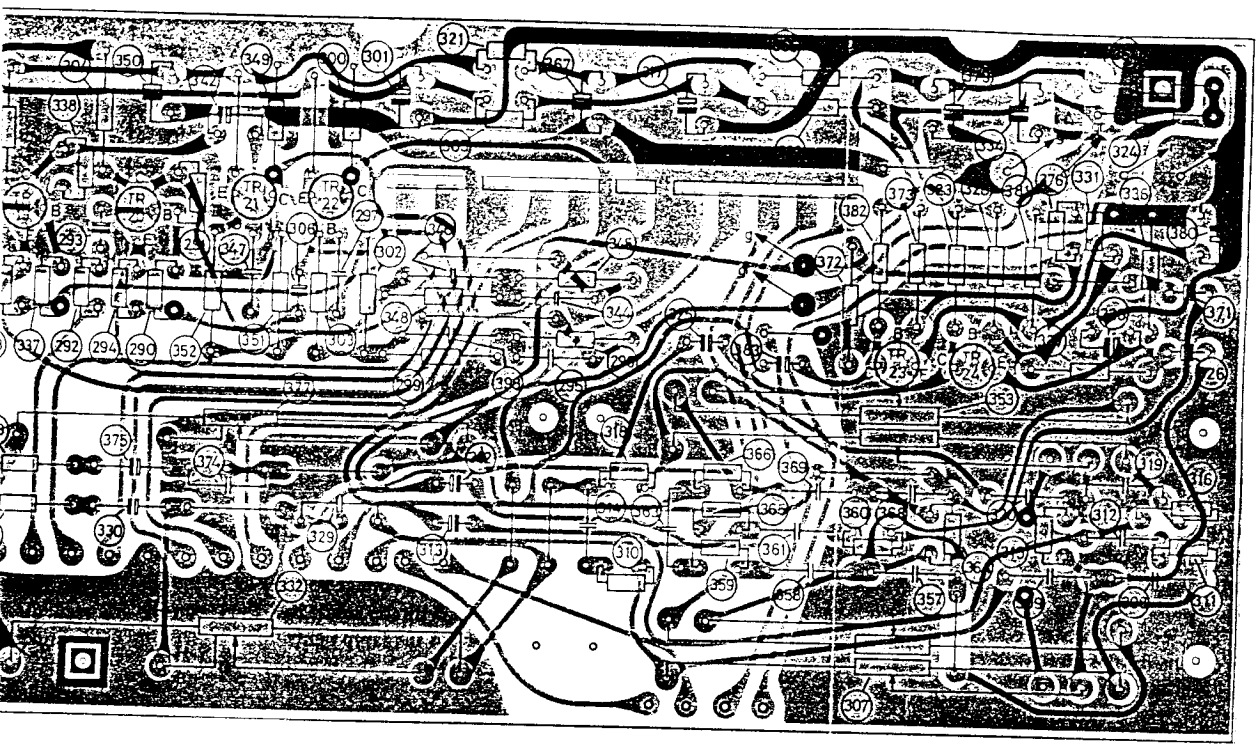
Circuit board, component side / Bestückungsseite der Printplat

PC UNIT 8002072, AF C



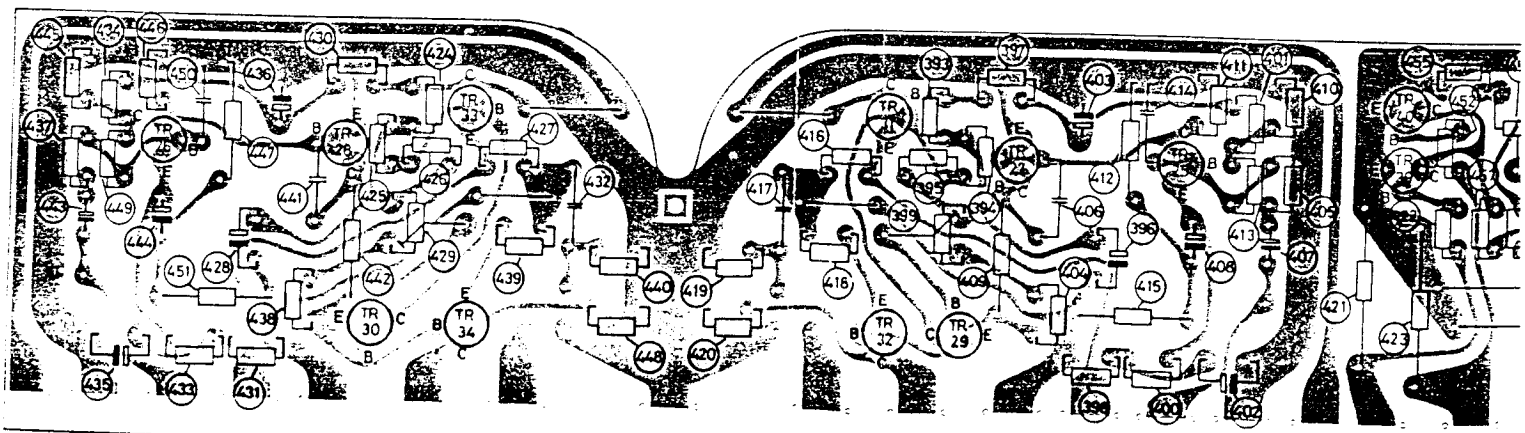
Circuit

PC UNIT 8002071, PREAMPLIFIER / PRINTPLATTE 8002071, VORVERSTÄRKER



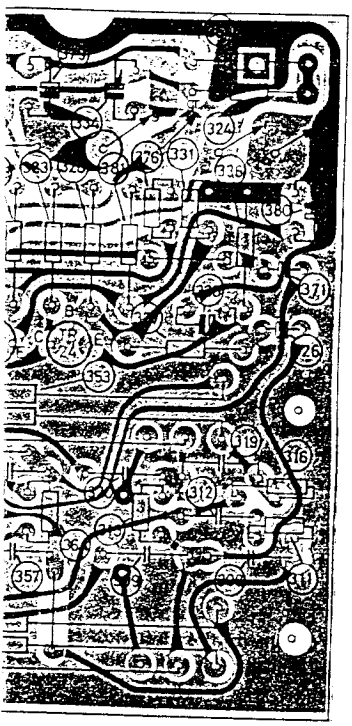
Circuit board, component side / Bestückungsseite der Printplatte

PC UNIT 8002072, AF OUTPUT/POWER SUPPLY / PRINTPLATTE 8002072, NF-AUSGANG/N

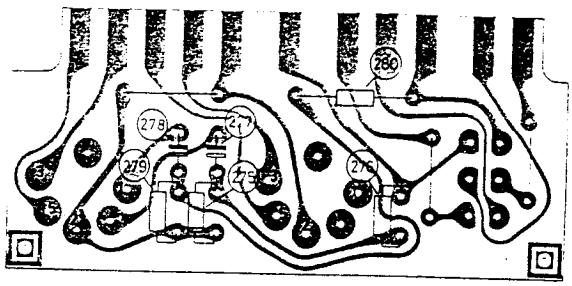


Circuit board, component side / Bestückungsseite der Printplatte

ARKER

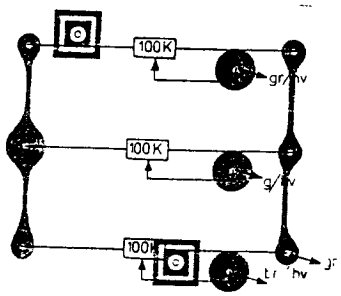


PC UNIT 8002067, FOR DIN SOCKET, WITH COMPONENTS
PRINTPLATTE 8002067, FÜR DIN-STECKER MONTIERT



Circuit board, component side / Bestückungsseite der Printplatte

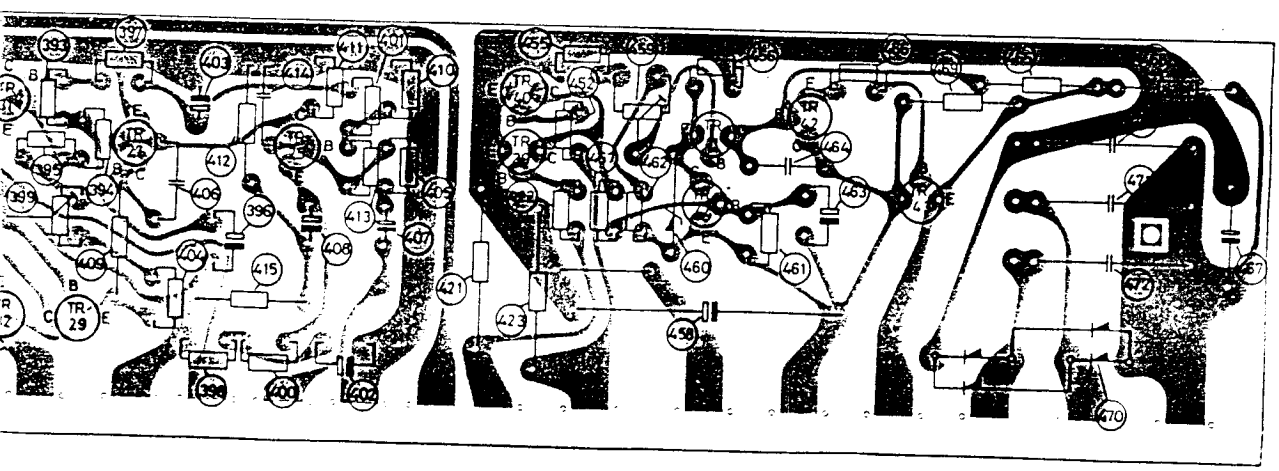
CIRCUIT BOARD WITH DIODE-TUNING POTENTIOMETER
PRINTPLATTE MIT DIODENABST. POTENTIOMETER



Circuit board, foil side / Leiterseite der Printplatte

For Service Manuals Contact
MAURITRON TECHNICAL SERVICES
8 Cherry Tree Rd, Chinnor
Oxon OX9 4QY
Tel:- 01844-351694 Fax:- 01844-352554
Email:- enquiries@mauritron.co.uk

PUT/POWER SUPPLY / PRINTPLATTE 8002072, NF-AUSGANG/NETZTEIL



rd, component side / Bestückungsseite der Printplatte

For Service Manuals Contact
MAURITRON TECHNICAL SERVICES
8 Cherry Tree Rd, Chinnor
Oxon OX9 4QY
Tel:- 01844-351694 Fax:- 01844-352554
Email:- enquiries@mauritron.co.uk

PC PARTS LIST FOR TYPE 0001 MULTIPLEX ADAPTOR.

4	Transistor, AC 151.....	Transistor, AC 151..... 8320007
6	Transistor, AC 151.....	Transistor, AC 151..... 8320007
19	19 kHz circuit.....	19-kHz-Kreis..... 0993166
22	19 kHz circuit.....	19-kHz-Kreis..... 0993167
25	Transistor, AF 126.....	Transistor, AF 126..... 8320024
33	38 kHz circuit.....	38-kHz-Kreis..... 0993168
34	Transistor, AF 126.....	Transistor, AF 126..... 8320024
40	Diode, OA 79.....	Diode, OA 79..... 8300022
41	Diode, OA 79.....	Diode, OA 79..... 8300022
50	Diode, OA 79.....	Diode, OA 79..... 8300022
51	Diode, OA 79.....	Diode, OA 79..... 8300022
60	Potentiometer, 250 Ω (indicator lamp adjustment).....	Potentiometer, 250 Ω (Licht)..... 5370043
61	Circuit for indicator lamp adjustm.	Kreis für Licht..... 0993165
62	Diode, OA 79.....	Diode, OA 79..... 8300022
65	Transistors, AC 153.....	Transistor, AC 153..... 8320059
	Electrolytic capacitor, 10 µF/16 V	Elko, 10 µF/16 V..... 4200010
	Electrolytic capacitor, 2.5 µF/64 V	Elko, 2,5 µF/64 V..... 4201035
	Electrolytic capacitor, 50 µF/40 V	Elko, 50 µF/40 V..... 4201024
	Electrolytic capacitor, 100 µF/6.4 V	Elko, 100 µF/6,4 V..... 4200035

SCHALTPLATTEN - STÜCKLISTE, DECODER TYP 0001.

1-71. 1-71. 1-71. 1-7'
RECTION CORREC
JNG CORRECTION
CHTIGUNG BERICH
1. 1-71. 1-71. 1-71

SERVICE TIPS.

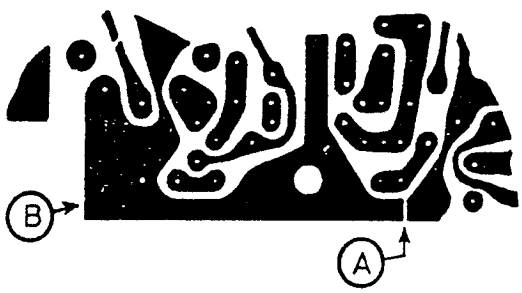
FM Unstability.

Better stability on FM can be accomplished by replacing the 18 k Ω resistor numbered 75 in the circuit diagram with a 12-Ω resistor and connecting the cathode of the AA 119 diode (No. 79) to that end of the 470-Ω resistor (No. 68) which goes to pin 6 of IF transformer 0971228.

FEHLERTIPS.

Unstabilität UKW.

Eine erhöhte Stabilität im UKW-Bereich läßt sich dadurch erzielen, daß der Widerstand 18 kΩ, Pos. Nr. 75, in 12 kΩ geändert wird gleichzeitig damit, daß die Kathode von AA 119, Pos. Nr. 79, auf der Seite des Widerstandes 470 Ω, Pos. Nr. 68, montiert wird, die zum Stift 6 des ZF-Übertragers, 0971228 führt.



In addition to these circuit changes, the PC chassis connection should be broken as indicated by the section sketch above (the corner adjacent to the de-emphasis plug).

Gleichzeitig mit der obigen Änderung ist die Masseleitung der Schaltplatte unterbrochen, so wie es aus der Ausschnittzeichnung der Schaltplatte (Ecke beim Nachentzerrungspropfen) zu ersehen ist.

GR II Cross-talk.

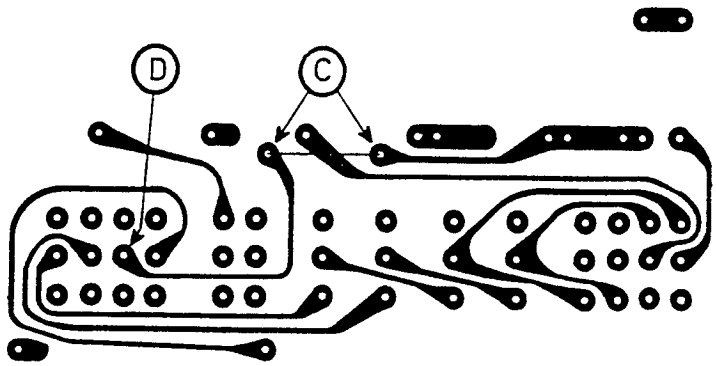
Under particularly unfavourable conditions it was discovered that the first sets of Beomaster 1000 type 2316 and 2317 delivered, developed cross-talk from FM to GR II.
This interference can be remedied by:

1. Removing wire No. 8002034 to the chassis marked C on the PC unit.
2. Placing isolated wire from point B to point C (B is shown on the uppermost PC section).

GR II Übersprechung.

Man hat herausgefunden, dass unter besonders schlechten Verhältnissen in den erst gelieferten BEOMASTER 1000, Typ 2316 und 2317, Übersprechung von UKW bis GR II festgestellt wird.
Diese Zerstörung kann auf folgende Weise behoben werden:

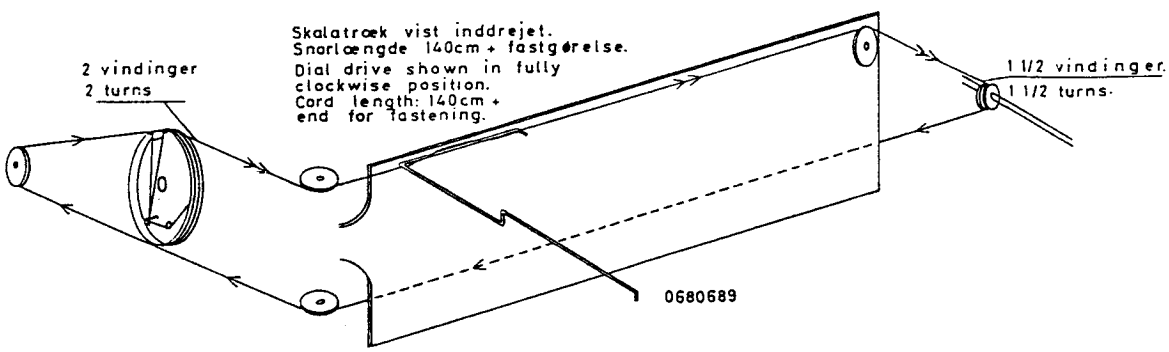
1. Die mit C gezeichnete Leitung auf Schaltplatteneinheit wird entfernt.
2. Eine isolierte Leitung wird von Punkt B bis Punkt D eingeführt (B ist am obersten Teil der Schaltplatte gezeigt).



These modifications have been introduced in production.

Die Änderungen sind in der Produktion berücksichtigt worden.

DIAL DRIVE / SKALATRIEB.

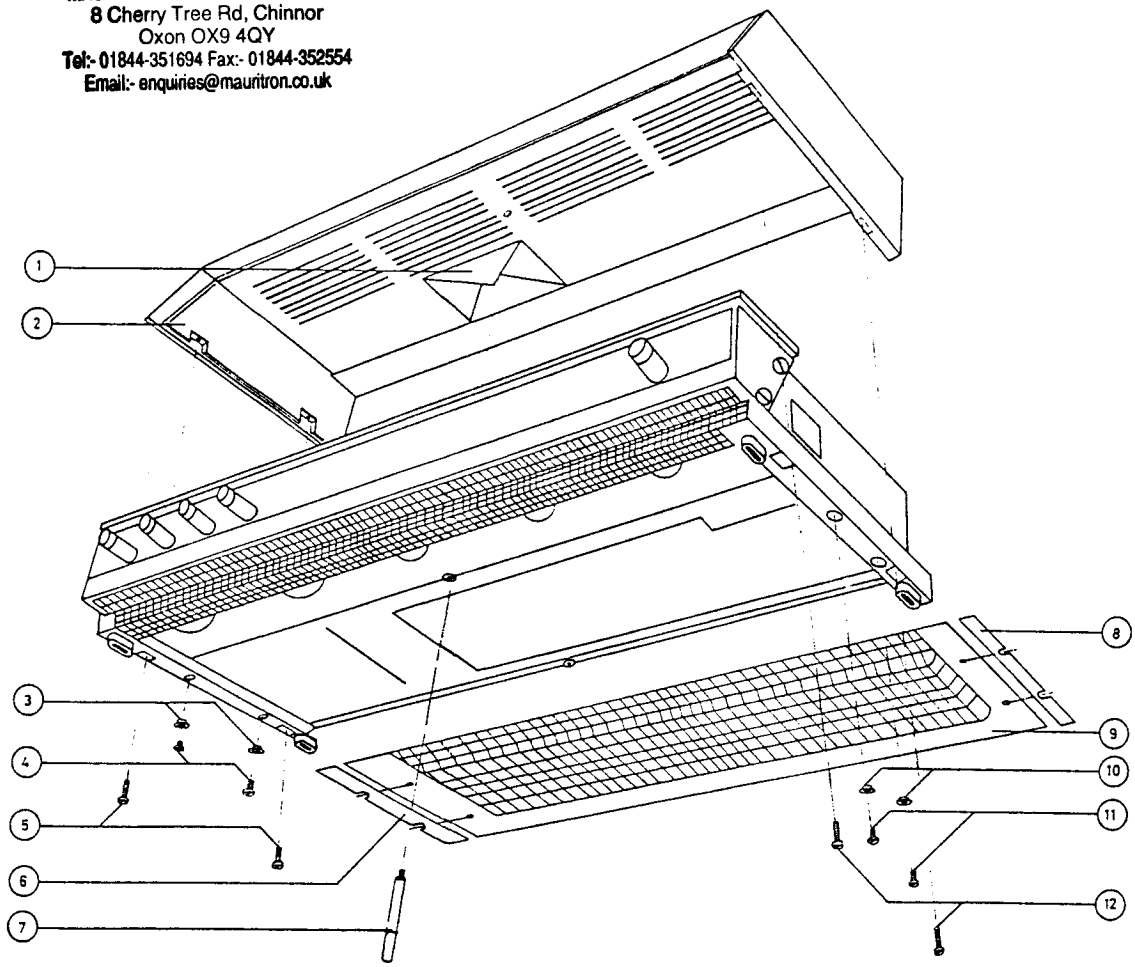


For Service Manuals Contact
MAURITRON TECHNICAL SERVICES
8 Cherry Tree Rd, Chinnor
Oxon OX9 4QY
Tel:- 01844-351694 Fax:- 01844-352554
Email:- enquiries@mauritron.co.uk

NOTES / NOTIZEN

FRON - FUO (TUNE) 8050010

For Service Manuals Contact
MAURITRON TECHNICAL SERVICES
8 Cherry Tree Rd, Chinnor
Oxon OX9 4QY
Tel:- 01844-351694 Fax:- 01844-352554
Email:- enquiries@mauritron.co.uk



PARTS LIST FOR
BEOMASTER 1000, TYPE 2316.

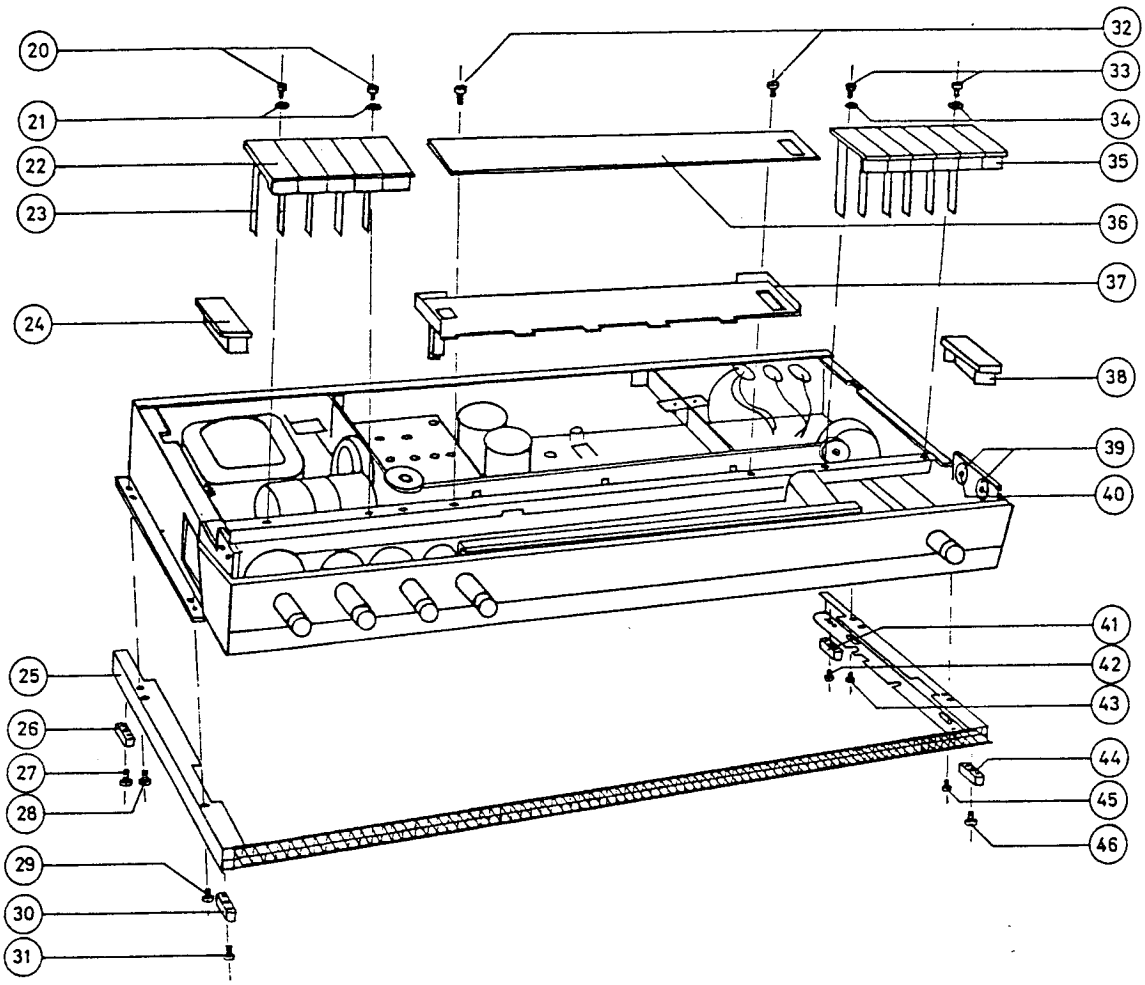
1	Circuit diagram with instructions	3180196
2	Cabinet, teak	0542011
	Cabinet, rosewood	0542012
	Cabinet, oak	0542014
3	Washers	2938026
4	Screw, AM 3 X 6 DIN 84	2038247
5	Screw, AM 3 X 12 DIN 84	2038220
6	Shim	3170031
7	Screw for cabinet	2038916
8	Shim	3170031
9	Bottom plate	3454019
10	Washers	2938026
11	Screws, AM 3 X 6 DIN 84	2038247
12	Screws, AM 3 X 12 DIN 84	2038220

STÜCKLISTE FÜR
BEOMASTER 1000, TYP 2316.

1	Instruktionsschaltbild	3180196
2	Gehäuse, Teakholz	0542011
	Gehäuse, Palisander	0542012
	Gehäuse, Eichenholz	0542014
3	Scheiben	2938026
4	Schraube, AM 3 X 6 DIN 84	2038247
5	Schraube, AM 3 X 12 DIN 84	2038220
6	Zwischenlage	3170031
7	Schraube für Gehäuse	2038916
8	Zwischenlage	3170031
9	Bodenplatte	3454019
10	Scheiben	2938026
11	Schrauben, AM 3 X 6 DIN 84	2038247
12	Schrauben, AM 3 X 12 DIN 84	2038220

SCA - 8022010
or 8022024 + 8022025

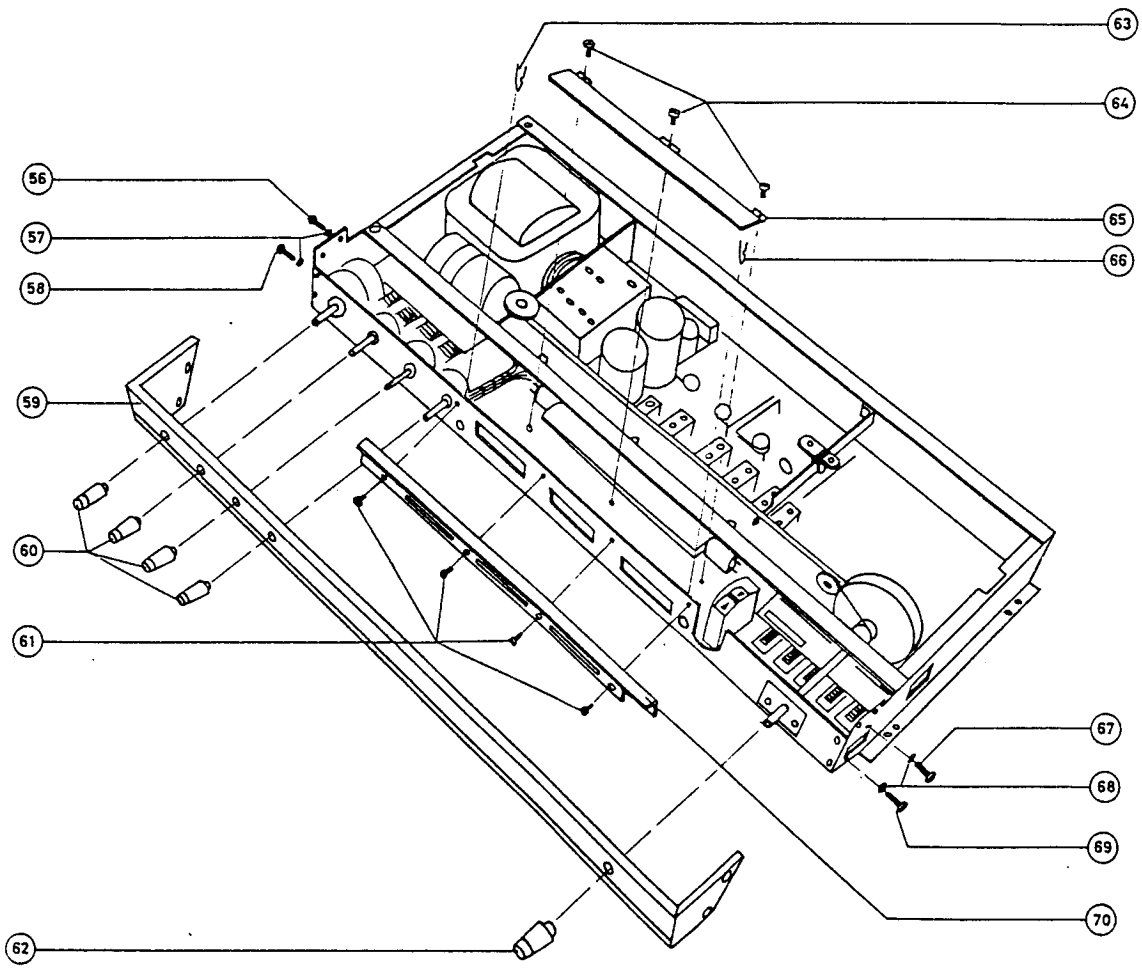
Green cover for indicator 052 1147



20	Screws, AM 3 X 4 DIN 84.....	Schrauben, AM 3 X 4 DIN 84.....	2038206
21	Tooth-lock washers, external teeth, A 3.2.....	Fächerscheiben, A 3,2.....	2625002
22	Left-hand pushbutton switch assy. complete.....	Linke Drucktastengruppe, komplett	2775026
	On/off button.....	Schaltertaste.....	2775031
	HT I (SPKR I) button.....	HT I-Taste.....	2775032
	HT II (SPKR II) button.....	HT II-Taste	2775033
	Rumble filter button.....	Rumpelfiltertaste.....	2775030
	Scratch filter button.....	Nadelgeräuschfiltertaste	2775029
	Mono button.....	MONO-Taste.....	2775028
	Bracket for left-hand pushbutton switch assembly.....	Winkel für linke Drucktastengruppe	0245613
	Pointer	Skalazeiger.....	3190022

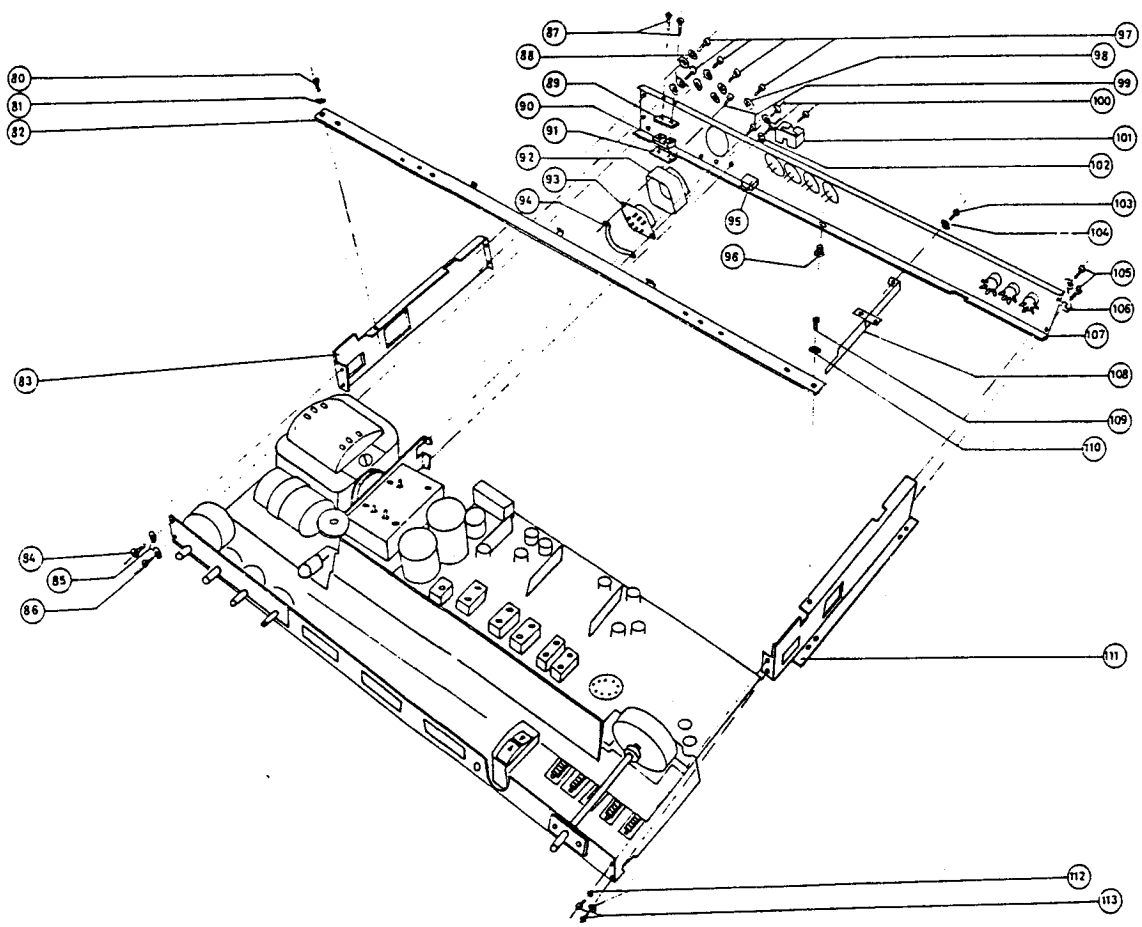
For Service Manuals Contact
MAURITRON TECHNICAL SERVICES
8 Cherry Tree Rd, Chinnor
Oxon OX9 4QY
Tel:- 01844-351694 Fax:- 01844-352554
Email:- enquiries@mauritron.co.uk

23	Arm for pushbutton switch.....	Arm für Drucktastenumschalter....	0387328
24	Pushbutton cover.....	Drucktastenabdeckung.....	3164017
25	Bottom frame.....	Bodenrahmen	0760452
26	Slide shoe	Gleitschützer	0585028
27	Screw, AM 3 X 4 DIN 84.....	Schraube, AM 3 X 4 DIN 84.....	2038206
28	Screw, AM 3 X 3 DIN 84.....	Schraube, AM 3 X 3 DIN 84.....	2038201
29	Screw, AM 3 X 3 DIN 84.....	Schraube, AM 3 X 3 DIN 84.....	2038201
30	Slide shoe	Gleitschützer	0760452
31	Screw, AM 3 X 4 DIN 84.....	Schraube, AM 3 X 4 DIN 84.....	2038206
32	Screw, AM 3 X 3 DIN 84.....	Schraube, AM 3 X 3 DIN 84.....	2038201
33	Screw, AM 3 X 4 DIN 84.....	Schraube, AM 3 X 4 DIN 84.....	2038206
34	Tooth-lock washers, ext. teeth, A3.2	Fächerscheiben, A 3,2.....	2625002
35	Right-hand pushbutton switch assembly, complete.....	Rechte Drucktastengruppe, komplett	2775025
	FM button	FM-Taste	2775034
	AFC button	AFC-Taste	2775035
	Gramophone I button.....	Phono 1-Taste.....	2775036
	Gramophone II button.....	Phono 2-Taste.....	2775037
	Tape recorder button.....	Tonbandgerät-Taste	2775038
	Bracket for right-hand pushbutton switch assembly.....	Winkel für rechte Drucktasten-gruppe	0245614
36	Dial.....	Skale.....	3191014
	Bracket for dial.....	Winkel für Skale.....	0248993
37	Dial rear wall	Skalenhintergrund	3302058
38	Pushbutton cover.....	Drucktastenabdeckung.....	3164017
39	Washers, 3.2 dia. X 8 dia. X 0.5 mm	Scheiben, 3,2 Ø X 8 Ø X 0,5	2622015
40	Screws, AM 3 X 4 DIN 84.....	Schrauben, AM 3 X 4 DIN 84.....	2038206
41	Slide shoe	Gleitschützer	0760452
42	Screw, AM 3 X 4 DIN 84.....	Schraube, AM 3 X 4 DIN 84.....	2038206
43	Screw, AM 3 X 3 DIN 84.....	Schraube, AM 3 X 3 DIN 84.....	2038201
44	Slide shoe	Gleitschützer	0760452
45	Screw, AM 3 X 3 DIN 84.....	Schraube, AM 3 X 3 DIN 84.....	2038201
46	Screw, AM 3 X 4 DIN 84.....	Schraube, AM 3 X 4 DIN 84.....	2038206
56	Screw, AM 3 X 8 DIN 84.....	Schraube, AM 3 X 8 DIN 84.....	2038214
57	Washers, 3.2 dia. X 8 dia. X 0.5 mm	Scheiben, 3,2 Ø X 8 Ø X 0,5.....	2622015
58	Screw, AM 3 X 8 DIN 84.....	Schraube, AM 3 X 8 DIN 84.....	2038214
59	Cabinet, front section, teak.....	Gehäuse, Vorderteil, Teakholz	3410121
	Cabinet, front section, rosewood...	Gehäuse, Vorderteil, Palisander...	3410122
	Cabinet, front section, oak	Gehäuse, Vorderteil, Eichenholz...	3410124
60	Knobs ....Base/treble.....	Drehknöpfe	2770024
61	Screws, AM 3 X 4 DIN 84.....	Schrauben, AM 3 X 4 DIN 84.....	2038206
62	Knob .....TUNING.....	Drehknopf	2770023
63	Spring.....	Feder.....	0335176
64	Screws, AM 3 X 3 DIN 84.....	Schrauben, AM 3 X 3 DIN 84.....	2038201
65	Mirror for dial light	Spiegel für Skalenlicht.....	2548007
	Insulation for dial light mirror....	Isolierung hierfür.....	0530577
66	Spring.....	Feder.....	0335176
67	Screw, AM 3 X 8 DIN 84.....	Schraube, AM 3 X 8 DIN 84.....	2038214
68	Washers, 3.2 dia. X 8 dia. X 0.5 mm	Scheiben, 3,2 Ø X 8 Ø X 0,5.....	2622015
69	Screw, AM 3 X 8 DIN 84.....	Schraube, AM 3 X 8 DIN 84.....	2038214
70	Strip for front edge	Leiste für Vorderkante.....	2568001



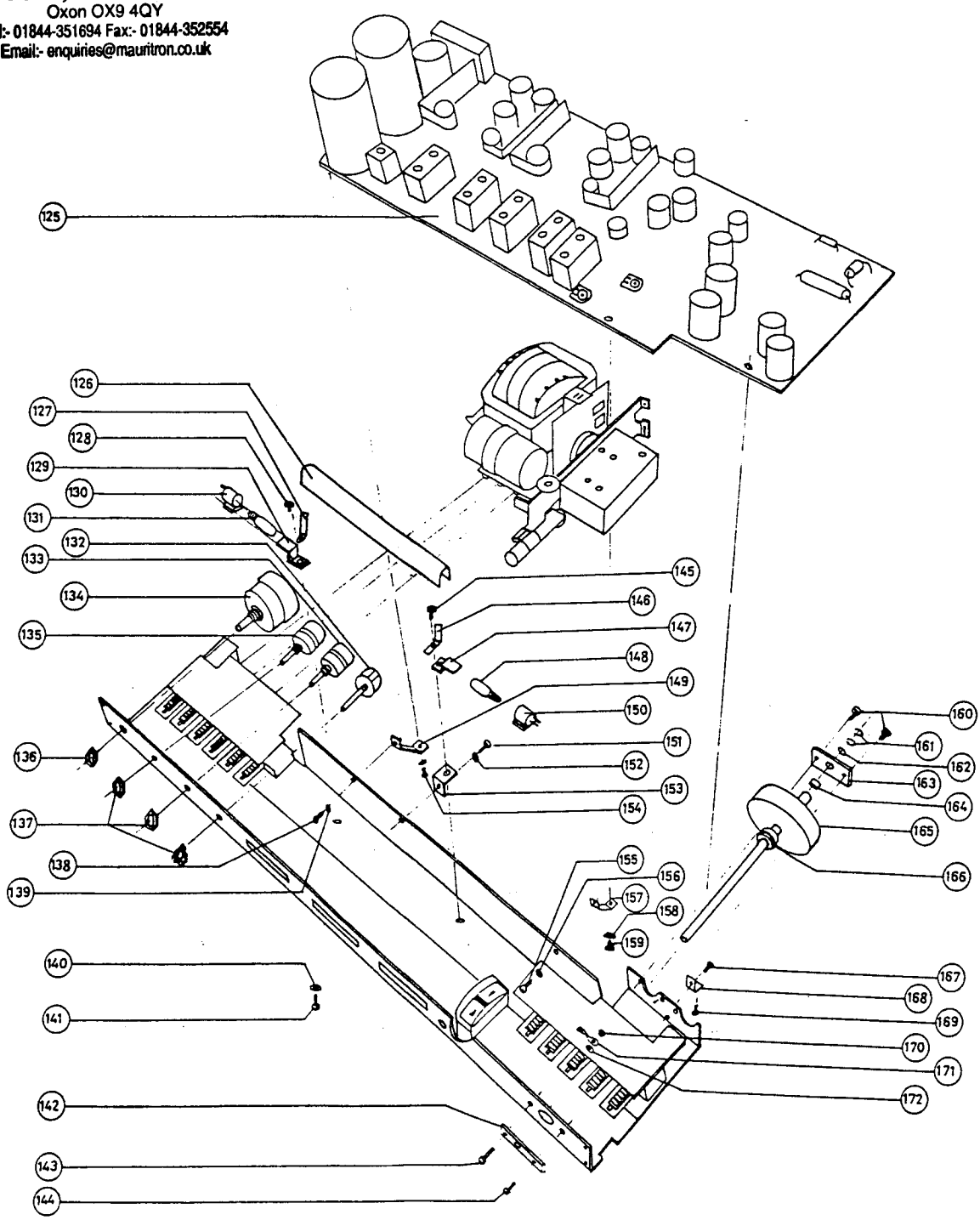
For Service Manuals Contact
MAURITRON TECHNICAL SERVICES
8 Cherry Tree Rd, Chinnor
Oxon OX9 4QY
Tel:- 01844-351694 Fax:- 01844-352554
Email:- enquiries@mauritron.co.uk

For Service Manuals Contact
MAURITRON TECHNICAL SERVICES
8 Cherry Tree Rd, Chinnor
Oxon OX9 4QY
Tel:- 01844-351694 Fax:- 01844-352554
Email:- enquiries@mauritron.co.uk



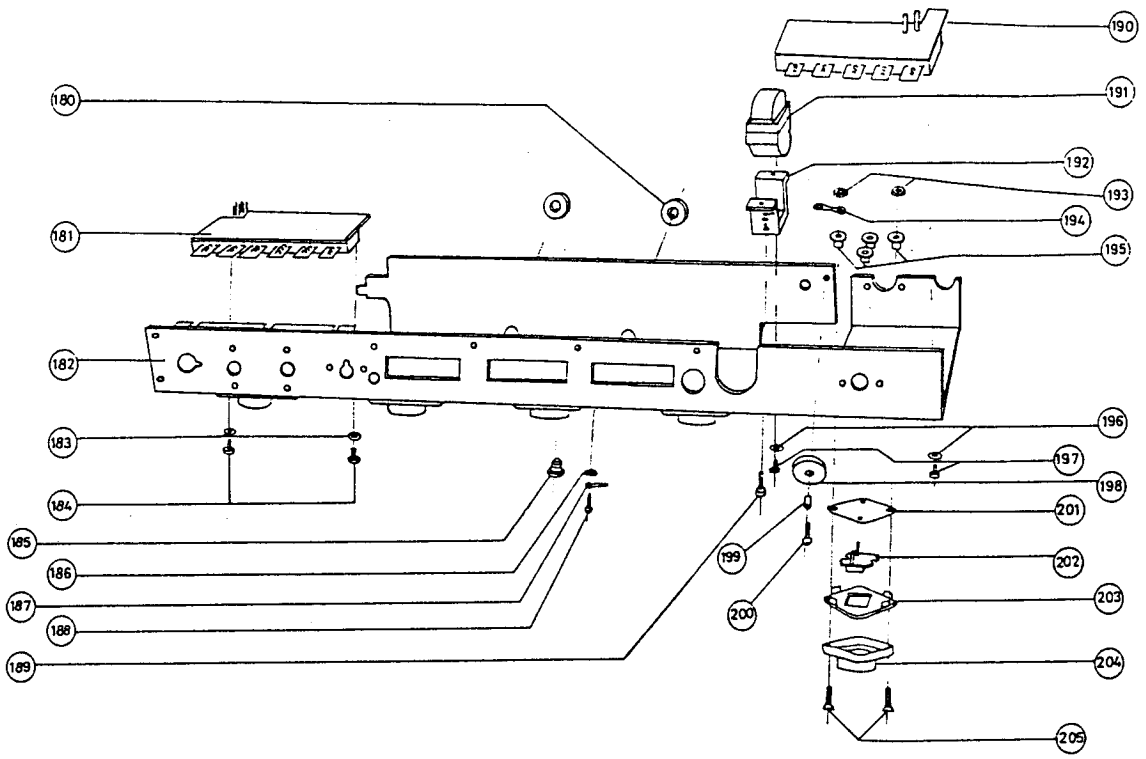
80	Screw, AM 3 X 4 DIN 84.....	Schraube, AM 3 X 4 DIN 84.....	2038206
81	Tooth-lock washer, ext. teeth, A 3.2 .	Fächerscheibe, A 3,2.....	2625002
82	Bracket for dial rear wall.....	Winkel für Skalenhintergrund.....	2530044
83	Side wall, left	Seitenstück, links.....	0248983
84	Screw, ART 4271 2.84 X 6.35 mm..	Schraube, ART 4271, 2,84 X 6,35.	2013201
85	Tooth-lock washers, ext. teeth, A 3.2	Fächerscheiben, A 3,2.....	2625002
86	Screw, ART 4271 2.84 X 6.35 mm..	Schraube, ART 4271, 2,84 X 6,35 .	2013201
87	Screws, ART 4270 2.84 X 12.70 mm.	Schrauben, ART 4270, 2,84 X 12,70	2013007
88	Bushings.....	Buchsen.....	2938026
89	Clamp.....	Spannstück.....	2641004
90	Clamp.....	Spannstück.....	2641026
91	Clamp.....	Spannstück.....	2643001
92	Screen for voltage switch.....	Abschirmung für Spannungsum-	
	.....	schalter.....	0534104
93	Voltage switch	Spannungsumschalter	7401001
94	Clamp.....	Spannstück.....	0288045
95	Aerial jack	Antennenbuchse	7211029
96	Slide shoe	Gleitschützer	0585018
97	Screw, ART 4271 2.84 X 6.35 mm...	Schraube, ART 4271, 2,84 X 6,35..	2013201
98	Washer, 3.2 dia. X 8 dia. X 0.5 mm..	Scheibe, 3,2 Ø X 8 Ø X 0,5	2622015
99	Screws, ART 4271 2.84 X 9.52 mm..	Schrauben, ART 4271, 2,84 X 9,52.	2013202
100	Screws, ART 4271 2.84 X 6.35 mm..	Schrauben, ART 4271, 2,84 X 6,35.	2013201
101	Holder for aerial.....	Halter für Antenne.....	3152006
102	Tooth-lock washers, ext. teeth, A 3.2	Fächerscheiben, A 3,2.....	2625002
103	Screw, AM 3 X 4 DIN 84.....	Schraube, AM 3 X 4 DIN 84.....	2038206
104	Tooth-lock washer, ext. teeth, A 3.2	Fächerscheibe, A 3,2.....	2625002
105	Screws, ART 4271 2.84 X 6.35 mm..	Schrauben, ART 4271, 2,84 X 6,35.	2013201
106	Tooth-lock washers, ext. teeth, A 3.2	Fächerscheiben, A 3,2.....	2625002
107	Rear wall.....	Rückplatte.....	2542113
	5-contact DIN jack	5 polige DIN-Buchse.....	7212006
	2-contact speaker jack.....	2 polige Lautsprecherbuchse.....	7211019
108	Bracket.....	Winkel	0760475
109	Screw, AM 3 X 4 DIN 84.....	Schraube, AM 3 X 4 DIN 84.....	2038206
110	Tooth-lock washer, ext. teeth, A 3.2.	Fächerscheibe, A 3,2.....	2625002
111	Side wall, right.....	Seitenstück, rechts.....	0248982
112	Tooth-lock washers, ext. teeth, A 3.2	Fächerscheiben, A 3,2.....	2625002
113	Screws, ART 4271 2.84 X 6.35 mm..	Schrauben, ART 4271, 2,84 X 6,35.	2013201

For Service Manuals Contact
MAURITRON TECHNICAL SERVICES
8 Cherry Tree Rd, Chinnor
Oxon OX9 4QY
Tel:- 01844-351694 Fax:- 01844-352554
Email:- enquiries@mauritron.co.uk



For Service Manuals Contact
MAURITRON TECHNICAL SERVICES
8 Cherry Tree Rd, Chinnor
Oxon OX9 4QY
Tel:- 01844-351694 Fax:- 01844-352554
Email:- enquiries@mauritron.co.uk

125	PC board	Schaltplatte	8002032
126	Screen for dial light	Abschirmung für Skalenlicht	0535487
127	Wire clamp	Leitungshalter	2816011
128	Screw, AM 3 X 5 DIN 84	Schraube, AM 3 X 5 DIN 84	2038208
129	Bracket for dial light	Winkel für Skalenlicht	0248915
130	Socket for dial bulb	Fassung für Skalenbirne	7201002
131	Dial lamp, 6.3 V 0.3 A	Skalenbirne, 6,3 V 0,3 A	8230001
132	Balance potentiometer, 2 X 20 k Ω	Balancepotentiometer, 2 X 20 k Ω	5310018
133	Treble potentiometer, 2 X 22 k Ω KV1	Höhenpotentiometer, 2 X 22 k Ω KV1	5310017
134	Volume potentiometer, 2 X 20 k Ω	Lautstärkepotentiometer, 2 X 20 k Ω	0854791
135	Bass potentiometer, 2 X 47 k Ω KV 1	Tiefenpotentiometer, 2 X 47 k Ω KV1	5310016
136	Nut, M 10 X 0.75 D 5610	Mutter, M 10 X 0,75 D 5610	2380050
137	Nut, M 7 X 0.75 NR 10-4-11	Mutter, M 7 X 0,75 NR 10-4-11	2380046
138	Screw, ART 4271 2.84 X 6.35 mm	Schraube, ART 4271, 2,84 X 6,35	2013201
139	Tooth-lock washer, A 3.2 DIN 6798	Fächerscheibe, A 3,2 DIN 6798	2625002
140	Tooth-lock washer, A 3.2 DIN 6798	Fächerscheibe, A 3,2 DIN 6798	2625002
141	Screw, ART 4271 2.84 X 6.35 mm	Schraube, ART 4271, 2,84 X 6,35	2013201
142	Bearing for dial drive	Lager für Skalatrieb	0402019
143	Screw, AM 3 X 8 DIN 84	Schraube, AM 3 X 8 DIN 84	2038214
144	Screw, AM 3 X 5 DIN 84	Schraube, AM 3 X 5 DIN 84	2038208
145	Screw, AM 3 X 5 DIN 84	Schraube, AM 3 X 5 DIN 84	2038208
146	Wire clamp	Leitungshalter	2816011
147	Bracket for dial light	Winkel für Skalenlicht	0248915
148	Dial lamp 6.3 V 0.3 A	Skalenbirne, 6,3 V 0,3 A	8230001
149	Bracket for PC board	Winkel für Schaltplatte	2548020
150	Socket for dial lamp	Fassung für Skalenbirne	7201002
151	Screw, ART 4271 2.84 X 6.35 mm	Schraube, ART 4271, 2,84 X 6,35	2013201
152	Tooth-lock washers, A 3.2 DIN 6798	Fächerscheiben, A 3,2 DIN 6798	2625002
153	Angle bracket for cabinet	Winkel für Gehäuse	0247179
154	Screw, AM 3 X 4 DIN 84	Schraube, AM 3 X 4 DIN 84	2038206
155	Screw, ART 4271 2.84 X 6.35 mm	Schraube, ART 4271, 2,84 X 6,35	2013201
156	Tooth-lock washers, A 3.2 DIN 6798	Fächerscheiben, A 3,2 DIN 6798	2625002
157	Bracket for PC board	Winkel für Schaltplatte	2548020
158	Tooth-lock washer, A 3.2 DIN 6798	Fächerscheibe, A 3,2 DIN 6798	2625002
159	Screw, AM 3 X 4 DIN 84	Schraube, AM 3 X 4 DIN 84	2038206
160	Screw, AM 3 X 5 DIN 84	Schraube, AM 3 X 5 DIN 84	2038208
161	Seeger circlip, UG 6 X 1	Sicherungsring, UG 6 X 1	2390007
162	Fibre washer	Fiberscheibe	0286118
163	Bearing for dial drive	Lager für Skalatrieb	0402019
164	Spacer pipe	Abstandrohr	0410300
165	Drive shaft with flywheel	Triebwelle mit Schwungrad	0760451
166	Cord pulley for drive shaft	Schnurscheibe für Triebwelle	0312040
167	Screw, AM 3 X 3 DIN 84	Schraube, AM 3 X 3 DIN 84	2038201
168	Bracket for PC board	Winkel für Schaltplatte	0247178
169	Screw, AM 3 X 4 DIN 84	Schraube, AM 3 X 4 DIN 84	2038206
170	Nut, M 3 DIN 934	Mutter, M 3 DIN 934	2380011
171	Soldering tag	Lötfahne	7530005
172	Tooth-lock washer, A 3.2 DIN 6798	Fächerscheibe, A 3,2 DIN 6798	2625002



180	Bushings	Buchsen	2938005
181	Pushbutton switch assembly with PC board, left	Drucktasten-Einheit mit Schaltplatte, links	8002034 NLA
182	Chassis	Chassis	3112016
183	Tooth-lock washer, JZC 3	Fächerscheibe, JZC 3	2625007
184	Screws, AM 3 X 6 DIN 84	Schrauben, AM 3 X 6 DIN 84	2038247
185	Slide shoe	Gleitschützer	0585018
186	Tooth-lock washer, A 3.2 DIN 6798	Fächerscheibe, A 3,2 DIN 6798	2625002
187	Soldering tag	Lötfahne	7530005
188	Screw, ART 4271 2.84 X 6.35 mm	Schraube, ART 4271, 2,84 X 6,35	2013201
189	Screw, AM 3 X 8 DIN 84	Schraube, AM 3 X 8 DIN 84	2038214
190	Pushbutton switch assembly with PC board, right	Drucktasten-Einheit mit Schaltplatte, rechts	8002022
191	Radicator	Radicator	0858047
192	Holder for radicator	Halter für Radicator	0240299
193	Nuts, M 3 DIN 934	Muttern, M 3 DIN 934	2380011
194	Soldering tag	Lötfahne	7530005
195	Bushings	Hülsen	2938025
196	Tooth-lock washers, JZC 3	Fächerscheiben, JZC 3	2625007
197	Screws, AM 3 X 6 DIN 84	Schrauben, AM 3 X 6 DIN 84	2038247
198	Cord pulley	Schnurscheibe	2724002
199	Bushing	Buchse	0410319
200	Screw, ART 4271 2.84 X 12.70 mm	Schraube, ART 4271, 2,84 X 12,70	2013204
201	Mica washer	Glimmerscheibe	3170002
202*	Transistor 2 N 5034, with mica washer and bushings	Transistor, 2 N 5034, mit Glimmerscheibe und Isolierhülsen	8320103
203	Clamp for 2 N 5034	Spannstück für 2 N 5034	2641031
204	Cover for transistor	Deckel für Transistor	0525042
205	Screws, AM 3 X 10 DIN 87	Schrauben, AM 3 X 10 DIN 87	2038912

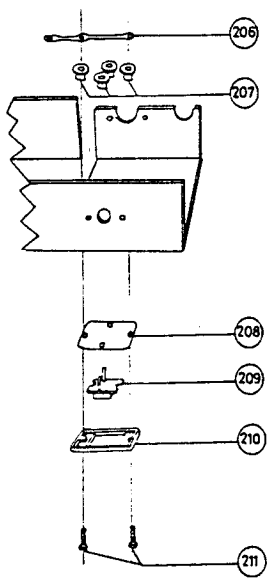
* The nylon bushings, if any, supplied with the 2 N 5034 transistor should not be used. Only the bushings listed under No. 195 above should be used.

*Nylonhülsen, die eventuell dem Transistor 2 N 5034 beiliegen, sind nicht zu benutzen, sondern durch die Hülsen, Pos. Nr. 195, zu ersetzen.

spring for on/off switch 2818007

The BEOMASTER 1000 Type 2316 is available in two versions which differ from each other in regard to the type of mounting used for the 2 N 5034 transistors. Both types of mounting are therefore shown.

Beim Beomaster 1000 Typ 2316 werden die Transistoren 2 N 5034 in zweierlei Weise montiert, und beide Ausführungsweisen werden deshalb gezeigt.



For Service Manuals Contact
MAURITRON TECHNICAL SERVICES
8 Cherry Tree Rd, Chinnor
Oxon OX9 4QY
Tel:- 01844-351694 Fax:- 01844-352554
Email:- enquiries@mauritron.co.uk

206	Soldering tag.....	Lötfahne.....	7530039
207	Bushings.....	Hülsen	2938025
208	Mica washer.....	Glimmerscheibe.....	3170047
209*	Transistor 2 N 5034 with mica washer and bushings.....	Transistor 2 N 5034 mit Glimmerscheibe und Isolierhülsen.....	8320103
210	Cover for transistor.....	Deckel für Transistor.....	3164027
211	Screws, AM 2 X 8 DIN 84.....	Schrauben, AM 2 X 8 DIN 84.....	2034215

1-71. 1-71. 1-71. 1-71.
CORRECTION COR
TION BERICHTIGI
ICHTIGUNG BERI
1-71. 1-71. 1-71. 1-7

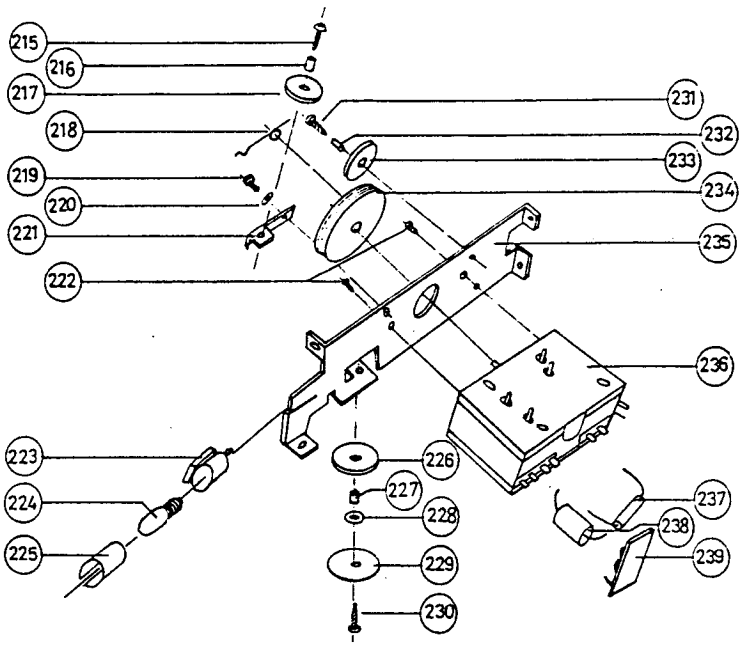
BEOMASTER 1000 type 2316

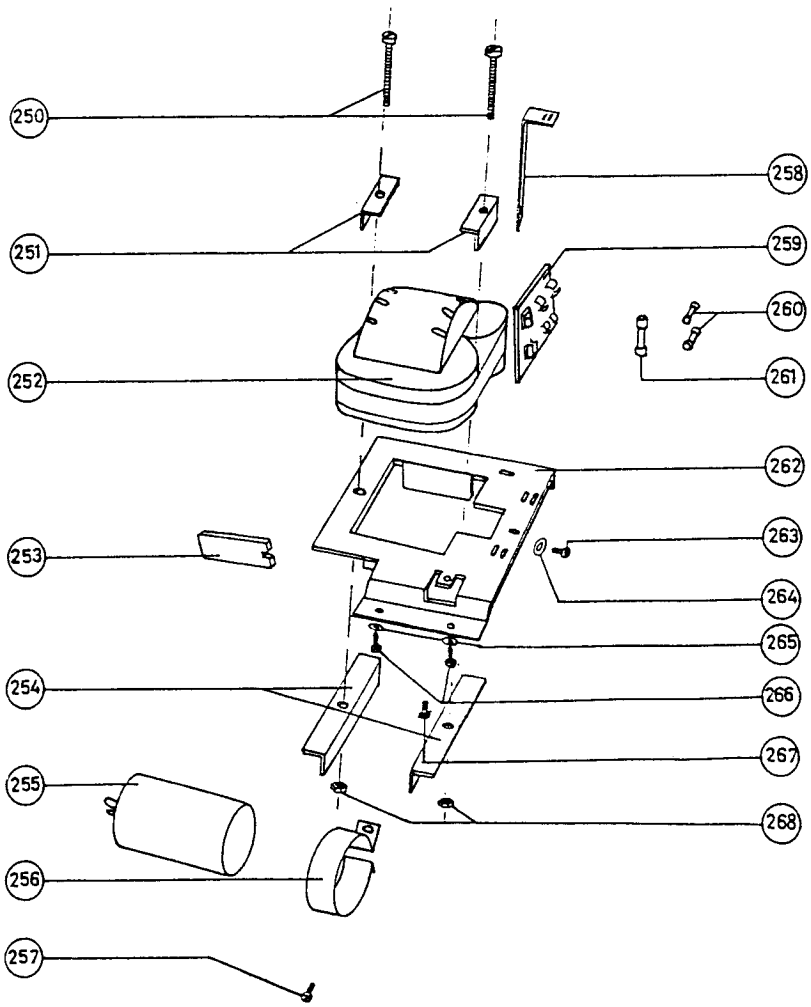
to be pasted on page 31 ~~57~~

auf Seite 2~~5~~ einzukleben

Concerning output- and series transistors we refer to page 21. 19

Bezüglich Ausgangs- und Serientransistoren wird auf Seite 21 hingewiesen.


215
216
217
218
219
220
221
222
223
224
225
226
227
228
229
230
231
232
233
234
235
236
237
238
239


250
251
252
253
254
255
256
257
258
259
260
261
262
263
264
265
266
267
268

·71. 1-71. 1-71.
TECTION CORR
TIGUNG CORR
NG BERICHTIG
. 1-71. 1-71. 1-71

BEOMASTER 1000 type 2316

Correction to page 33

Berichtigung zur Seite 33

234 Dial drive wheel . . . . . Schnurscheibe 0312084

215	Screw, ART 4271 2.84 X 12.70 mm.	Schraube, ART 4271, 2,84 X 12,70.	2013204
216	Bushing.	Buchse.	0410319
217	Cord pulley	Schnurrolle.	2724002
218	Spring	Feder.	0335148
219	Screw, AM 3 X 3 DIN 84.	Schraube, AM 3 X 3 DIN 84	2038201
220	Washer, 3.2 dia. X 8 dia. X 0.5 mm.	Scheibe, 3,2 Ø X 8 Ø X 0,5	2622015
221	Bracket.	Winkel	0245662
222	Screw, AM 3 X 3 DIN 84.	Schraube, AM 3 X 3 DIN 84	2038201
223	Socket for dial bulb	Fassung für Skalenbirne.	7201002
224	Dial bulb, 19 V 0.097 A. C.S.T.E.(EC)	Skalenbirne, 19 V 0,097 A.	8230004
225	BHP tubing	BHP-Rohr.	0430204
226	Cord pulley	Schnurrolle.	2724002
227	Bushing.	Buchse.	0410319
228	Washer, 3.2 dia. X 8 dia. X 1 mm	Scheibe, 3,2 Ø X 8 Ø X 1.	2622016
229	Washer	Scheibe	0376437
230	Screw, ART 4271 2.84 X 12.70 mm.	Schraube, ART 4271, 2,84 X 12,70.	2013204
231	Screw, ART 4271 2.84 X 12.70 mm.	Schraube, ART 4271, 2,84 X 12,70.	2013204
232	Bushing.	Buchse.	0410319
233	Cord pulley	Schnurrolle.	2724002
~~234~~	~~Dial drive wheel~~	~~Schnurscheibe~~	0312081
235	Bracket.	Winkel	0248984
236	Tuner	Tuner.	8050010
237	Electrolytic capacitor, 1.6 µF/25 V.	Elko, 1,6 µF/25 V	4200002
238	Electrolytic capacitor, 125 µF/16 V.	Elko, 125 µF/16 V	4200042
239	Bandpass filter for FM	Bandpassfilter	8039004
250	Screws, AM 4 X 40 DIN 84.	Schrauben, AM 4 X 40 DIN 84	2042233
251	Bracket.	Winkel	0245689
252	Transformer 8013019-7 typ	Übertrager	8013049
253	Screen for on/off switch	Abschirmung für Netzschalter	3302060
254	Bracket.	Winkel	0245684
255	Electrolytic capacitor, 3000 µF/50 V.	Elko, 3000 µF/50 V	4201046
256	Clamp for electrolytic capacitor.	Bügel für Elko	2510034
257	Screw, AM 3 X 4 DIN 84.	Schraube, AM 3 X 4 DIN 84	2038206
258	Bracket.	Winkel	2530039
259	Fuse holder.	Sicherungshalter	3120140
260	Fuses, 1 A slow-blow.	Sicherungen, 1 A, träge	6600006
261	Fuse, 1 A quick-blow.	Sicherung, 1 A, flink	6604023
262	Bracket.	Winkel	2548018
263	Screw, AM 3 X 5 DIN 84.	Schraube, AM 3 X 5 DIN 84	2038208
264	Tooth-lock washer, external teeth, A 3.2.	Fächerscheibe, A 3,2	2625002
265	Tooth-lock washer, internal teeth, JZC 3	Fächerscheibe, JZC 3	2625007
266	Screw, ART 4271 2.84 X 9.52 mm.	Schraube, ART 4271, 2,84 X 9,52.	2013202
267	Screw, AM 3 X 4 DIN 84.	Schraube, AM 3 X 4 DIN 84	2038206
268	Nuts, A 4 DIN 934	Muttern, A 4 DIN 934.	2380016

8013087

For Service Manuals Contact
MAURITRON TECHNICAL SERVICES
8 Cherry Tree Rd, Chinnor
Oxon OX9 4QY
Tel:- 01844-351694 Fax:- 01844-352554
Email:- enquiries@mauritron.co.uk

Parts Not Shown

Station decals	3180119
Mains lead with plug	6271047
Dial cord	3955009
Packing, outer container	3391144
Packing, gable insert	3391145
Packing, front/back insert	3391146
Packing, top/bottom insert	3391147
Foam packing	0539090

Nicht gezeigte Teile

Senderabziehbilder	3180119
Netzschnur mit Stecker	6271047
Skalaschnur	3955009
Verpackung, Aussenschachtel	3391144
Verpackung, Giebeleinlage	3391145
Verpackung, Front/Rückeinlage	3391146
Verpackung, Einlage, obere/untere	3391147
Schaumstoffverpackung	0539090

Operating Instructions (english)	3502041
Bedienungsanleitung (deutsch)	3502042
Mode d'emploi (français)	3502038
Bedieningsinstructies (hollands)	3502044

Extra Acessories

Aerial	8902010
Multiplex adaptor	8900001

Zusätzliches Zubehör

Antenne	8902010
Stereo-Decoder	8900001

PARTS LIST FOR BEOMASTER 1000, TYPE 2317.

Multiplex adaptor	8900001

Other parts as Beomaster 1000, Type 2316.

STÜCKLISTE FÜR BEOMASTER 1000, TYP 2317.

Stereo-Decoder	8900001

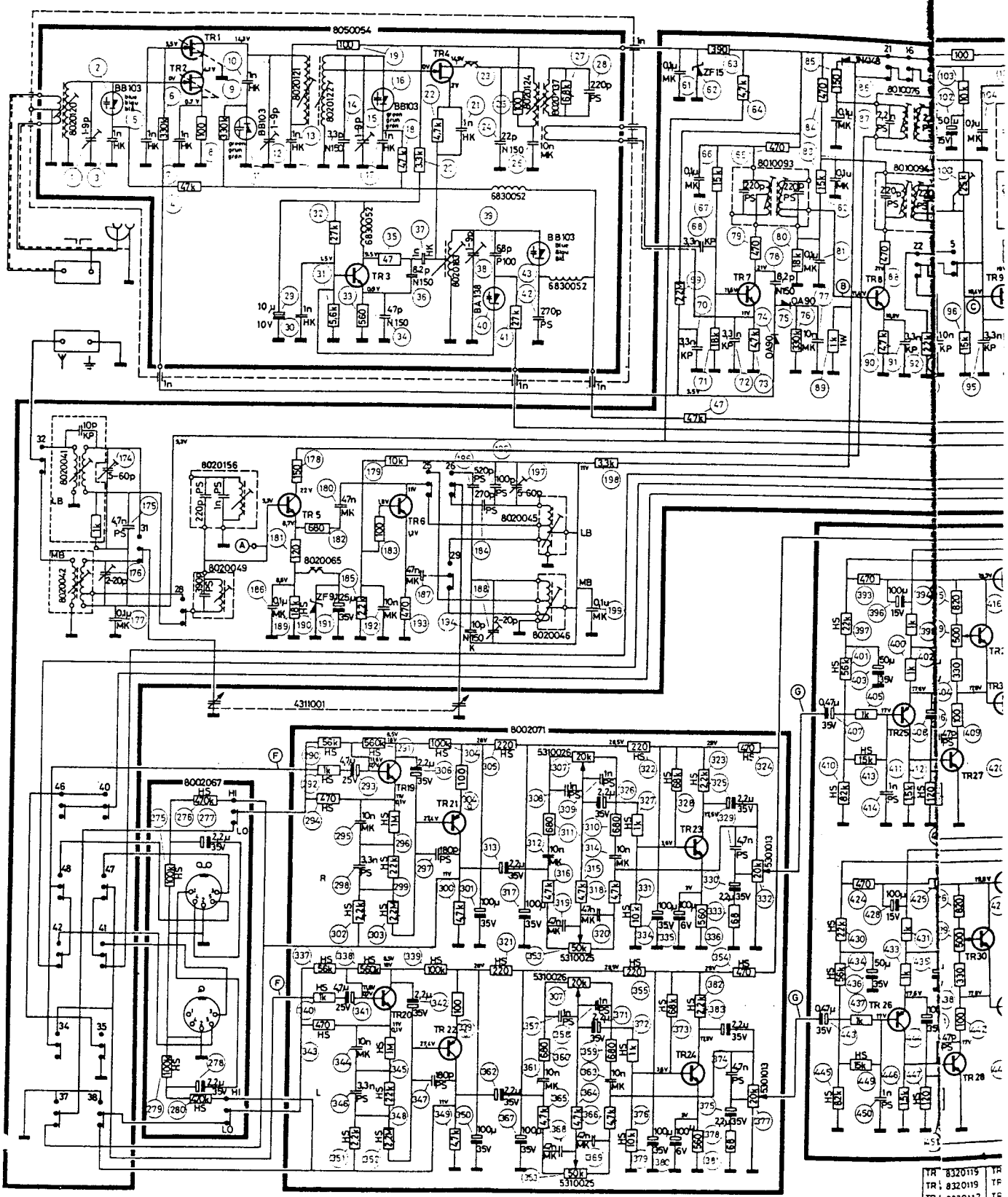
Die übrigen Teile wie Beomaster 1000, Typ 2316.

For Service Manuals Contact
MAURITRON TECHNICAL SERVICES
8 Cherry Tree Rd, Chinnor
Oxon OX9 4QY
Tel:- 01844-351694 Fax:- 01844-352554
Email:- enquiries@mauritron.co.uk

NOTES / NOTIZEN

For Service Manuals Contact
MAURITRON TECHNICAL SERVICES
8 Cherry Tree Rd, Chinnor
Oxon OX9 4QY
Tel:- 01844-351694 Fax:- 01844-352554
Email:- enquiries@mauritron.co.uk

CIRCUIT DIAGRAM OF BEOMASTER 1200, TYPE 2501 / SCHILD - BEO



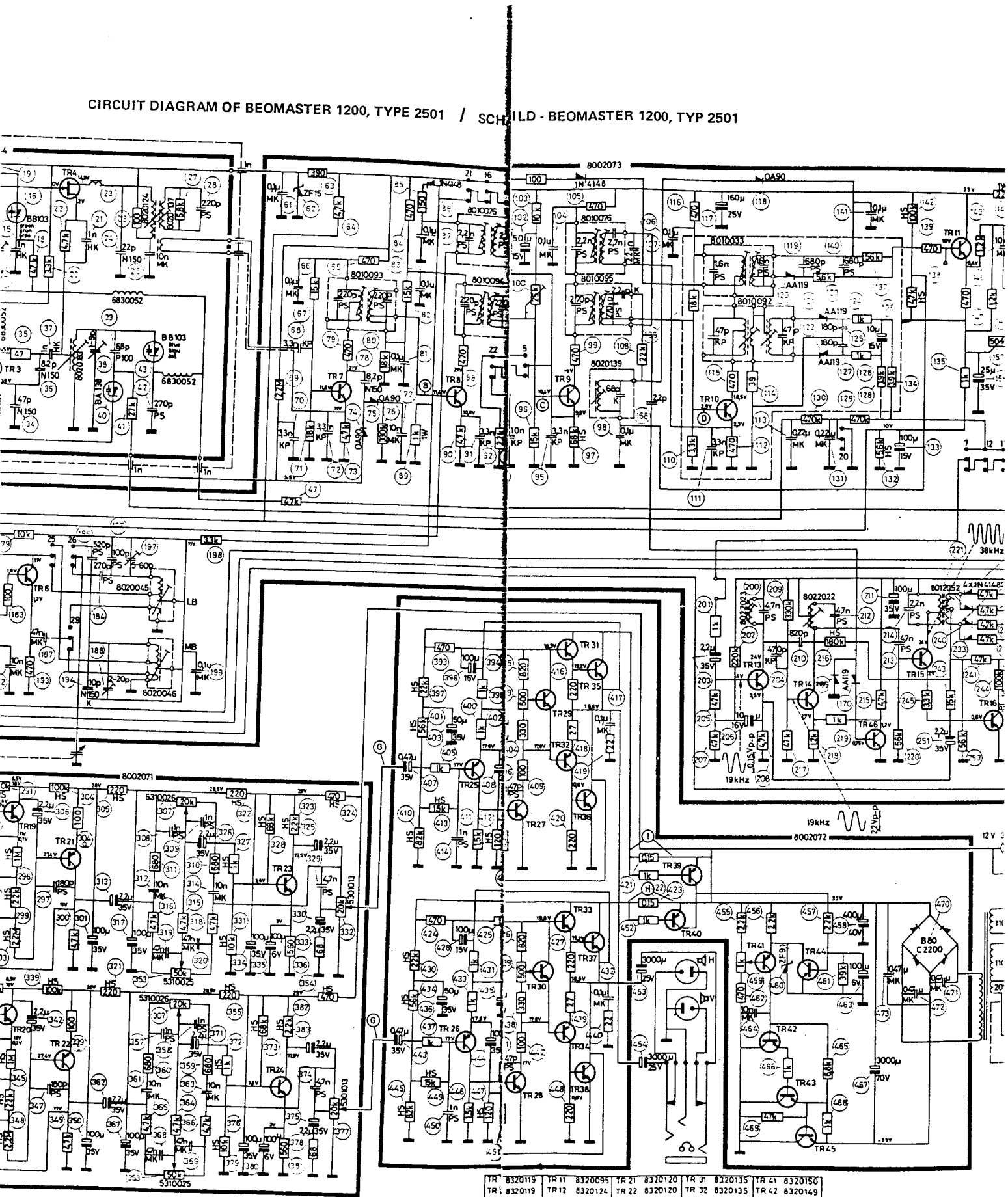
Resistors without designation:	GBT 0.5 W
Capacitors marked PS:	Polystyrene
Capacitors marked MK:	Metallized plastic
Capacitors marked KP:	Plaquette
Capacitors marked HK:	"High C"
Capacitors marked K:	Ceramic

Voltages listed are positive with respect to chassis. Decoder voltages were measured with pilot signal, other voltages without signal. AM mixer (TR 5) and AM oscillator (TR 6) voltages were measured with one of the AM buttons depressed; other voltages were measured with the FM button depressed.

TR	8320119
TR	8320119
TR	8320112
TR	8320136
TR	8320089
TR	8320089
TR	8320089
TR	8320089
TR	8320089
TR	8320089

Sensitivities we
at 0 (mid-scale s
AF sensitivities
FM sensitivities
kHz, $f_{mod.}$ = 4
AM sensitivities
$f_{mod.}$ = 400 Hz

CIRCUIT DIAGRAM OF BEOMASTER 1200, TYPE 2501 / SCHALTBILD - BEOMASTER 1200, TYP 2501



TR	8320119	TR 11	8320095	TR 21	8320120	TR 31	8320135	TR 41	8320150
TR	8320119	TR 12	8320124	TR 22	8320120	TR 32	8320135	TR 42	8320149
TR	8320112	TR 13	8320097	TR 23	8320168	TR 33	8320135	TR 43	8320148
TR	8320136	TR 14	8320097	TR 24	8320168	TR 34	8320135	TR 44	8320056
TR	8320089	TR 15	8320097	TR 25	8320069	TR 35	8320103	TR 45	8320286
TR	8320089	TR 16	8320124	TR 26	8320069	TR 36	8320103	TR 46	8320056
TR	8320089	TR 17	8320097	TR 27	8320092	TR 37	8320103		
TR	8320089	TR 18	8320097	TR 28	8320092	TR 38	8320103		
TR	8320089	TR 19	8320095	TR 29	8320056	TR 39	8320165		
TR	8320089	TR 20	8320095	TR 30	8320056	TR 40	8320165		

Voltages listed are positive with respect to chassis. Decoder voltages were measured with pilot signal, other voltages without signal. AM mixer (TR 5) and AM oscillator (TR 6) voltages were measured with one of the AM buttons depressed; other voltages were measured with the FM button depressed.

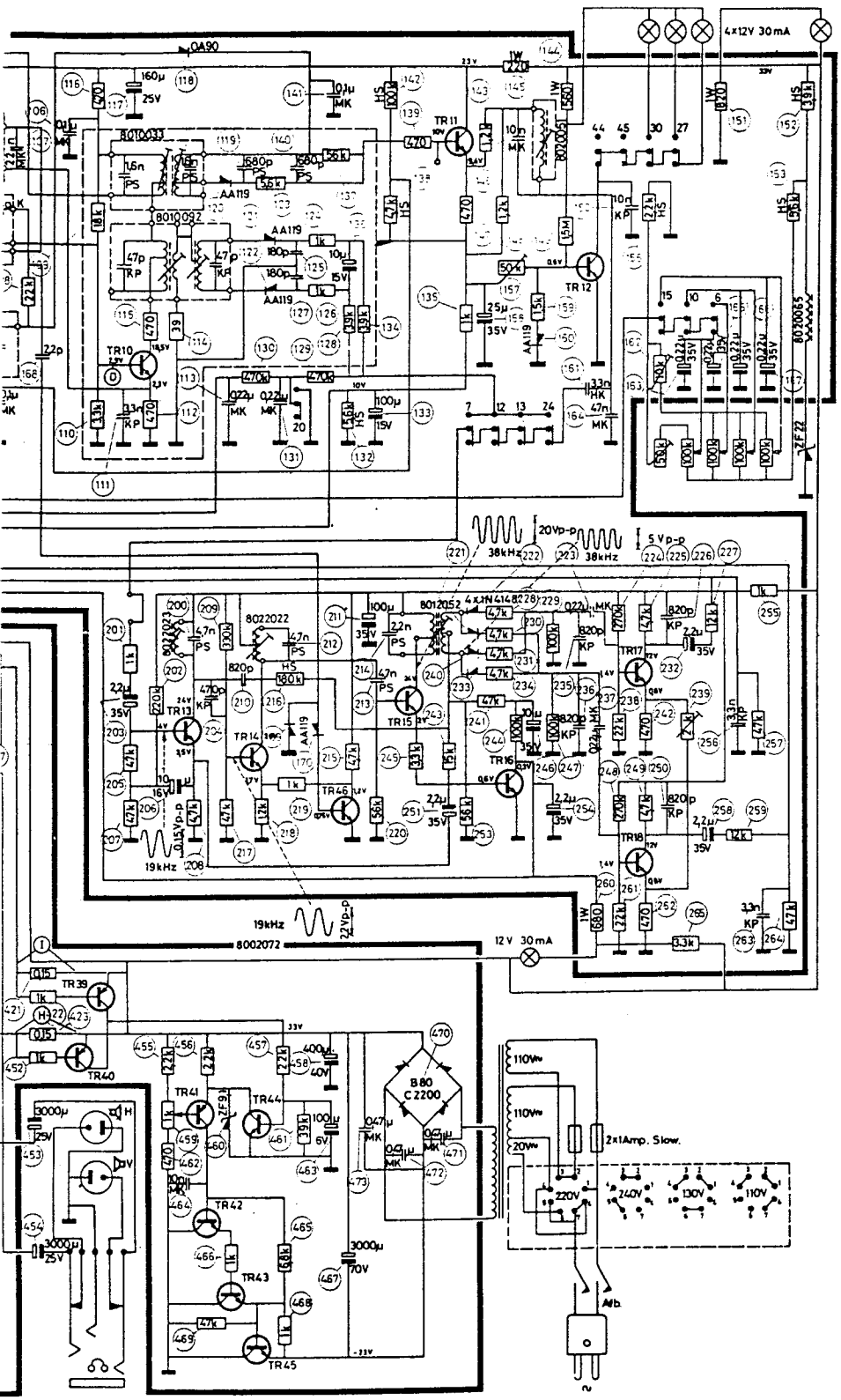
Sensitivities were measured with bass and treble controls at 0 (mid-scale setting).

AF sensitivities were measured at 50 mW output.

FM sensitivities were measured at 5 W output. $\Delta f = 22.5$ kHz, $f_{mod.} = 400$ Hz.

AM sensitivities were measured at 5 W output, 30 % mod., $f_{mod.} = 400$ Hz.

A: 12 µV (468 k
14 µV (1 MHz
B: 70 µV (10.7 M
C: 1.2 mV (10.7 M
140 µV (468 k
D: 50 mV (10.7 M
15 mV (468 k
F: 0.2 mV, low impe
10 mV, high impe
G: 10 mV
H: 7.5 mV (no-signa
I: 7.5 mV (no-signa



TR 21	8320120	TR 31	8320135	TR 41	8320150
TR 22	8320120	TR 32	8320135	TR 42	8320149
TR 23	8320168	TR 33	8320135	TR 43	8320148
TR 24	8320168	TR 34	8320135	TR 44	8320056
TR 25	8320069	TR 35	8320103	TR 45	8320286
TR 26	8320069	TR 36	8320103	TR 46	8320056
TR 27	8320092	TR 37	8320103		
TR 28	8320092	TR 38	8320103		
TR 29	8320056	TR 39	8320165		
TR 30	8320056	TR 40	8320165		

ed with bass and treble controls

sured at 50 mW output.

asured at 5 W output. $\Delta f = 22.5$

sured at 5 W output, 30 % mod.,

A: 12 µV (468 kHz) through 0.1 µF, RG = 75 ohms
14 µV (1 MHz) through 0.1 µF, RG = 75 ohms
B: 70 µV (10.7 MHz) through 0.1 µF, RG = 75 ohms
C: 1.2 mV (10.7 MHz) through 0.1 µF, RG = 75 ohms
140 µV (468 kHz) through 0.1 µF, RG = 75 ohms
D: 50 mV (10.7 MHz) through 0.1 µF, RG = 75 ohms
15 mV (468 kHz) through 0.1 µF, RG = 75 ohms
F: 0.2 mV, low impedance
10 mV, high impedance
G: 10 mV
H: 7.5 mV (no-signal current)
I: 7.5 mV (no-signal current)

For Service Manuals Contact
MAURITRON TECHNICAL SERVICES
8 Cherry Tree Rd, Chinnor
Oxon OX9 4QY
Tel:- 01844-351694 Fax:- 01844-352554
Email:- enquiries@mauritron.co.uk

Subject to Change Without Notice